SAFE-T-RIP

safe-t PRODUCTS

Targeting Safety

IP RATED 66/69K

HEAVY DUTY
BELT RIP DETECTOR

PEACE OF MIND IN CONVEYOR BELT SAFETY

The Safe-T-Rip Heavy Duty Belt Rip Detector offers unparalleled reliability and simplicity in detecting rips in conveyor belts. Its features include simple socket detachment trip operation, a range of robust enclosures, fast rip wire length adjustment, adjustable trip socket tensions, precise belt rip detection, simple and safe reset, and an adjustable tether point cord for added convenience.

Tested to IP66/69K
CE Conformity

DIVERSE ENCLOSURE OPTIONS FOR DIFFERENT ENVIRONMENTS

The Safe-T-Rip device provides flexibility with three enclosure types tailored to various environmental conditions:

- **UV Stable, Impact Modified, Flame Retardant V0 PC/PBT Enclosure:** Offering strong impact resistance and UV stability, suitable for outdoor use.
- **2mm 316 Electro Polished Stainless Steel:** Renowned for its corrosion resistance and polished finish, ideal for harsh environments.

High Impact PC/PBT UV Stable Flame Retardant Plastic

2mm 316 Electro Polished Stainless Steel

The electrical switching circuit of the Safe-T-Rip heavy-duty belt rip detector operates using magnetic or mechanical principals, employing reliable reed or micro switches. The micro switches feature IP67 sealing and silver contacts to ensure dependable circuit performance, while the reed switches are housed in a durable enclosure for added protection.

Adjusting trip tension is straight forward with external spring clip adjustments, allowing for flexibility in settings as needed. Additionally, an external Santoprene rubber boot helps prevent dust and dirt from entering the plug and socket assembly, maintaining operational integrity and compliance with standards.

Image depicting a rip in a conveyor belt. Our Safe-T-Rip would detect and activate. Definitions flip side

FOR MORE INFORMATION

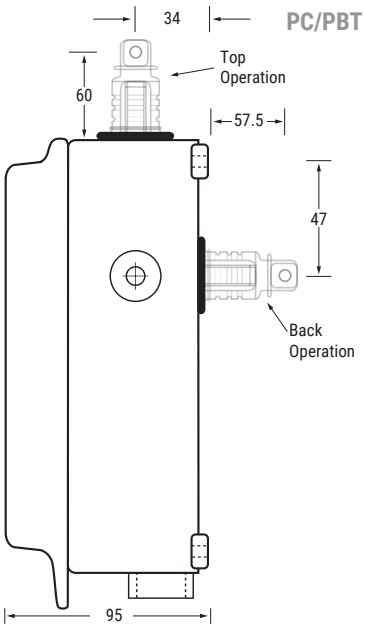
www.safe-t-products.com.au

AUSTRALIAN Designed & Manufactured

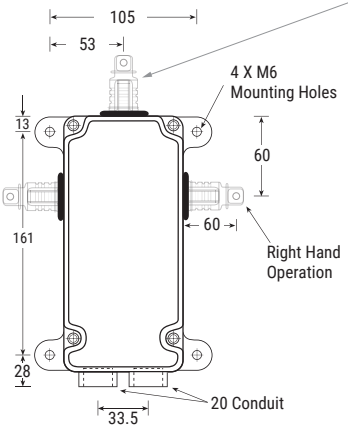
PUB. No. CBD_STR V_0.7

PC/PBT PLASTIC/STAINLESS STEEL DIMENSIONS

PC/PBT PLASTIC DIMENSIONS

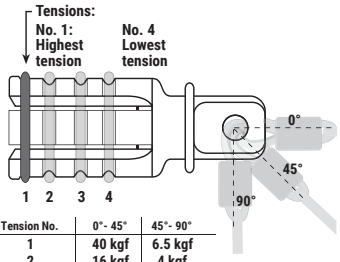


Male plugs are factory mounted in one of four positions on the enclosure - top, back, right side, or left side - for female socket attachment.



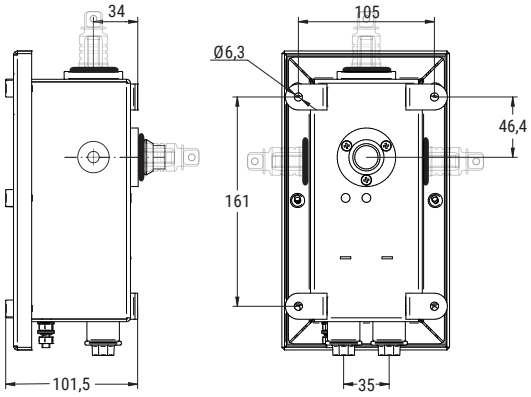
SOCKET

Move stainless steel spring clip for Socket detachment tensions.

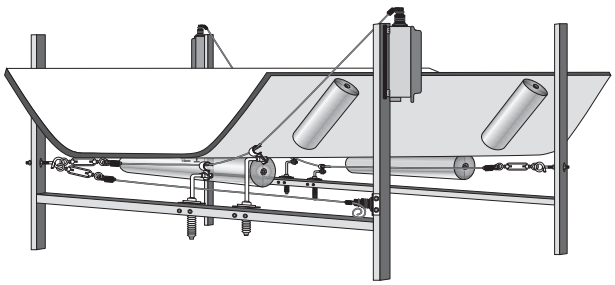


Tension No.	0°- 45°	45°- 90°
1	40 kgf	6.5 kgf
2	16 kgf	4 kgf
3	16 kgf	3 kgf
4	8 kgf	2.5 kgf

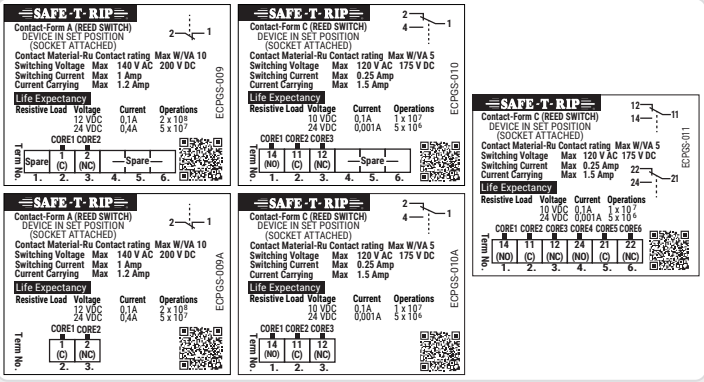
STAINLESS STEEL DIMENSIONS



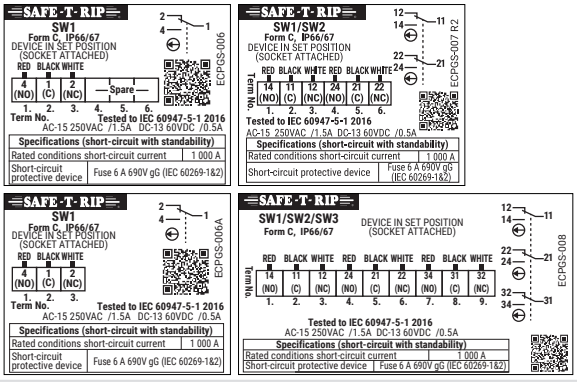
CONVEYOR BELT SYSTEM INSTALLATION



REED SWITCH STICKERS



MICRO SWITCH STICKERS



CONVEYOR BELT DAMAGE DEFINITIONS

According to Safe-T-Products, a **“split belt”** is defined as a split that occurs down the length of the conveyor belt, typically along its longitudinal axis. This type of damage is often caused by material becoming lodged in the chute at the tail end of the conveyor and subsequently penetrating the belt or becoming trapped at the head end of the conveyor system under a cover or similar obstruction. As a result, the continuous operation of the conveyor belt is compromised, leading to the need for repair or replacement to restore functionality and safety within the conveyor system.

According to Safe-T-Products, a **“belt rip”** is defined as a torn or ripped part or hole in a conveyor belt resulting from an object penetrating the belt and either punching through it or ripping the top layer into a flap. This type of damage typically occurs when foreign objects or sharp materials encounter the conveyor belt, causing a rupture or separation in the belt material. As a result, the integrity of the conveyor belt is compromised, leading to potential disruptions in material handling operations and the need for repair or replacement of the damaged section.