

# bramco ELECTRONICS



## BK300 Pullkey

**Bramco's BK300 offers unrivalled features. As a direct replacement for our BK200, the BK300 builds on the strengths that has witnessed the sale of almost three thousand units since 1992.**

The design objectives of the BK300 are:

- Optimal Strength
- Optimal Corrosion Resistance
- Optimal Performance
- Optimal Features

We believe the new BK300 surpasses these objectives

### Optimal Strength

Most Pullkeys are made of brittle materials. The BK300 is one of the toughest Pullkey's available offering a complete die-cast bronze construction.

### Optimal Corrosion Resistance

Pullkey's need to withstand extremely hostile environments. Corrosion is a common enemy of mining equipment. Poor Corrosion resistance results in limited life spans and increased inventory costs. With its complete die-cast bronze construction and internal mechanisms of stainless steel the BK300 is perfectly suited to harsh environments.

### Optimal Performance

A Pullkey is a safety device. The internal mechanical componentry of the BK300 is extremely precise. It has been designed to achieve maximum accuracy and optimise safety.



### Optimal Features

Different applications demand different features. We have incorporated features that have been devised in-house and features that have been requested by our customers. Slackwire protection is standard and may be enabled/disabled on either end. Isolation position on the BK300 trip operator may be used to provide remote triggered isolation of the Belt Starter via the ICMS system. We offer a diverse number of functions that will maximise your ability to achieve your objectives. The BK300 adds more value to your operation.

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#### Distributor Locations Australia:

- Newcastle NSW
- Wollongong NSW
- Cairns QLD
- Brisbane QLD
- Perth WA
- Emerald QLD

#### South Africa:

Heidelberg - Emis Sales  
Delmas - Bramco South Africa

#### USA:

- Bland, VA



### Additional Features

The following requirements can be added to your basic BK300 Pullkey. A wide range of combinations are available. The BK300 provides you with great flexibility.

#### Code Description

- M Standard Monitoring Node**  
Provides indication of individual Pullkey trip status mounted along a conveyor.
- N ICMS Monitoring Node**  
Used in conjunction with Bramco's Integrated Control and Management System (ICMS). Provides individual Pullkey status information via the ICMS Data Screen.
- E Emergency Release Pin**  
The e-pin, mounted on one or both sides of the Pullkey, provides an additional and instantaneous trip release.
- F Indication Flag**  
Fluorescent trip indication system mounted on the operating knob of the Pullkey. Provides easy visual identification of a tripped Pullkey.
- P Brass Plugs**  
Compatible with Bramco's Pullcable complete with 6 pole Brass Sockets.
- C Amplifier or PSW Module Plug**  
Allows convenient plug in of either Bramco's Communication Amplifiers or Bramco PSW Modules. (See separate data sheets).
- A Pre-Start Warning Module**  
Mounted adjacent to the Pullkey. Provides visual and audio Pre-Start Warning of conveyor start-up. Complete with I.S. Battery or power supply - AC or DC.
- X Xenon Flasher**  
Mounted adjacent to the Pullkey. Provides optimal visual indication of either Pre-Start Warning for conveyor start-up, Pullkey trip status or Gas warning.

### Technical Overview

- New die-cast Bronze strong, rugged construction, impervious to harsh mining environments.
- New, improved and highly effective mechanical operation.
- Mechanical slackwire trip standard in accordance with new A.S. 1755 requirements. Both ends may be individually enabled/disabled.
- Internal mechanical components of stainless steel.
- Dual trip position on operating now caters for additional Isolation function.
- Trip effort, in accordance with A.S. 1755.
- Increased travel adjustment (now 80mm v. 38mm) providing for greater expansion/contraction of Pullwire/cable.
- High resistance against intrusion of dust and moisture.
- Operation from either or both ends.
- Directly compatible with BK200 mounting requirements for upgrade.

