

newsletter

Spring2011



www.go4b.com

4B Braime opens new subsidiary in Australia

4B Braime, leading supplier of elevator and conveyor components, has created a new operation especially for the Australian market. The new subsidiary, 4B Australia Pty Ltd, located in Brisbane, was officially incorporated on 1st December 2010 and is now fully operational, under the leadership of Managing Director Paul Dennis, former Product Development Manager at Fenner Dunlop Conveyor Services.

4B Australia has been created owing to the importance of the region in the company's growth plans. 4B Braime has been serving customers in the area for many years, and 4B components have become an integral part of many processing facilities.

From elevator buckets and bolts through to complete hazard monitoring systems for elevators and conveyors, such as 4B's Watchdog Elite system, 4B components are the preferred choice of many equipment manufacturers, plant engineers and contractors. With its range of components, 4B serves a large range of industries ranging from agricultural to industrial through to mining and heavy duty industries.

With its local presence in Australia, 4B Braime is aiming to provide a first class technical support and after sales service to its local customer base, a service which 4B feel is vital, particularly for its electronics range.

4B Australia's mother company, 4B Braime, celebrated its 120th anniversary in 2008 and has been a pioneer of the material handling industry, introducing the first seamless steel elevator bucket back in 1909. With the world's largest range of elevator and conveyor components, 4B Braime's material handling division has led the field in elevator bucket design and manufacture by supplying the highest of quality components. 4B Braime's electronic division specializes in level controls, electric sensors and safety control systems that prevent costly downtime and reduce the risks of explosions in hazardous areas.

Paul Dennis
Managing Director,
4B Australia



After spending over twenty years in the conveyor belt service and supply industry and the last five specifically with bucket elevator products. The decision for me to help establish the 4B Braime Elevator Components Ltd, Australian subsidiary was easy.

The 4B range of products have been in the Australian market for many years and are highly respected. So I was more than happy to accept the opportunity of being part of a very successful business.

While there is a lot of hard work ahead with setting up a new business. I am really looking forward to getting out and meeting our new and all of our existing customers in the months ahead.

Check out our website:
Visit us at: www.go4b.com

Visit us at



Stand 117
9-11 Aug, 2011
Sydney, Australia

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BOLT 'N' GO Chain & Flight System

NEW
PRODUCT

4B is pleased to announce the launch of the new revolutionary Bolt 'N' Go drop forged chain system.

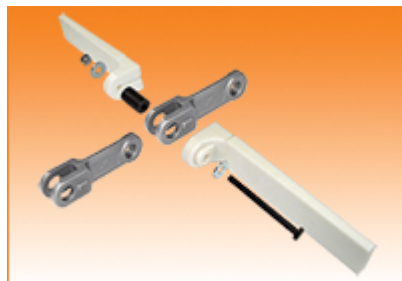
The traditional system of drop forged chain uses welded flights, pins and circlips, that require the removal of the complete chain from the conveyor for repairs / change out of parts.

The new Bolt 'N' Go system is a very flexible system of high strength hollow pins, heavy duty washers and nylock nuts, which enable bolts to pass through to connect the links together and attach flights.

The Bolt 'N' Go system's advantages:

- No more welding of flights
- No need to remove chain from conveyor
- Reliable secured link, pin and flight
- Reduced maintenance cost and down time
- Plastic flights

U.S. Pat. 7,080,728
Other Patents Pending



Product News: BULLDOG

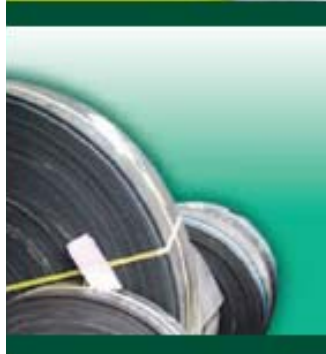
The **Bulldog alignment and rip detection switch** is an electro-mechanical system designed to detect dangerous misalignment of the conveyor and also detection of belt tear damage.

Method of Operation:

The switch will detect horizontal misalignment of belts when contact is made with the roller, the roller arm will be forced to pivot by the belt activating a switch at **15° to trigger an alarm, and 30° to trigger a shut down** procedure of the conveyor. The sensors are usually installed in pairs on opposite sides of the belt.

A steel flexible wire is set below the running conveyor belt approx 20-30mm attached by a rare earth magnet at each end. If the belt is ripped or damaged the wire is pulled away releasing the magnet connection which in turn will activate a switch.

- Easy installation
- No calibration required
- Robust design
- 15° Alarm output
- 30° Stop output





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Watchdog Elite Bucket Elevator Monitor

A multi-functional hazard monitor that monitors belt and pulley alignment (top and bottom), continuous bearing temperature, belt speed and blocked chute conditions, the 4B Watchdog is a comprehensive monitoring system that allows complete monitoring of multiple hazards in a bucket elevator or conveyor.

The Watchdog system uses a range of compatible sensors to monitor different hazards, such as the belt misalignment sensors "Touchswitch", BAP2" and WDA3", the WDB bearing temperature sensors and the "Binswitch" capacitive sensor.

An LCD screen displays elevator status messages (available in four different languages) and a super-bright LED screen displays belt speed.

RS485 communication is also available for connection to plant computers / PLCs. Simple menu-driven calibration and parameter adjustment.

Cert: ATEX/ IECEx Zones 21 & 22, & CSA



IECEx



- Belt Speed
- Belt Alignment
- Bearing Temperature
- Pulley Alignment
- Blockage Detection
- Acceleration Monitoring



