

# BestConnect+

## Robust Modular System Conveyors

### Data Sheet: Driven Alignment Modules



#### Product Range Description

The BestConnect+ system is purpose built for heavy duty and high-speed material handling. The robust structure and high-quality components ensure smooth and continuous functioning. The powerful MDR or GM drives maintain high performance and efficiency. The BestConnect+ modules are also interchangeable with the other Duravant catalogue products - often combining belt conveyors and task specific products to create total and seamless solution for integrator and end users.

#### Product Description

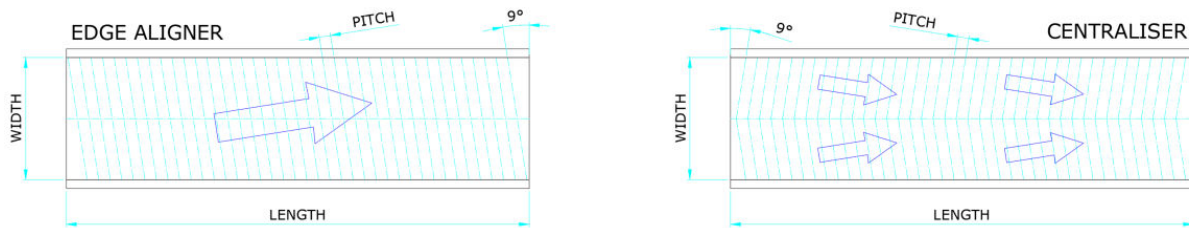
Alignment sections are used to correct lateral alignment while maintaining material flow. Centralisers are often used prior to scanners, after merges, and within singulators. Edge aligners are used to provide a datum at one side of the conveyor. Often used before label applicators and to present materials within easy reach of operators.

# BestConnect+

## Technical Data

### Structural Data

Module Length	From 1m to 3m
Effective Width	630mm, 850mm, 1050mm, 1250mm as standard – Others available on request
Roller Pitch	55mm or 60mm – Others available on request
Skew Angles	9°
Module Height (TOR)	750mm to 890mm adjustable height – Others available on request
Side Plates	Laser cut folded steel – powder coated finish
Side Guides	<ol style="list-style-type: none"> <li>3mm thick folded steel – 150mm, 300mm, or 600mm high above TOR.</li> <li>Low friction liner to reduce drag.</li> <li>Rolling sections for minimal drag.</li> <li>Powered belt side guides for positive drive.</li> </ol>
Supports	BestConnect+ Modular Telescopic legs. Additional bracing to suit applications.
Feet	Levelling Feet with fine adjustment
Mechanical Connection	BestConnect+ Splice Plates



### Roller/ Drive Data

Roller	Ø50mm Z/P steel tube, Precision bearings, Ø12mm Z/P axles with M8 female thread. Some rollers will feature 2mm thick PVC sleeving for extra traction.
Drives	24v Drive Rollers or AC Geared Motors
Drive Method	Poly-V Belts (2 & 3 rib) – or PolyRound bands
Transmission	Roller to Roller
Variable Speed	0.2 m/s to 1.8 m/s
Load Capacity	75kg / linear meter

### Electrical Data

Power Supply	24Vdc, 230Vac or 400Vac
System Integration	Various centralised and decentralised options available on request.

### Efficiency Data

Noise	<70dBA
Motor Rating	80W to 180W per drive
Sleep Modes	Options available on request
Flow Control	Various options available on request
Operating Temperature	+5°C - +40°C
Humidity	Maximum 70% non-condensing

### BC+ System Options

Components available	Straights, Curves, Merges, Edge Aligners, Centralisers, Swivel Divert Unit. Seamless integration with motion06 SBC and CBC range.
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