

BestConnect+

Robust Modular System Conveyors

Data Sheet: Driven Merge 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

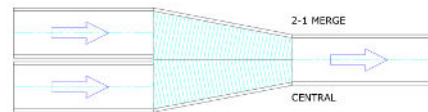
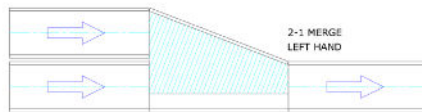
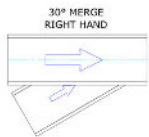
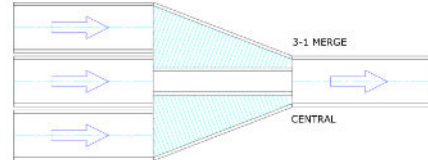
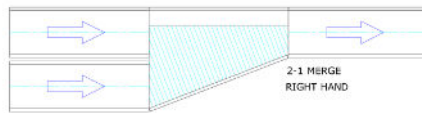
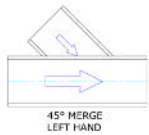
Merge sections can be used to bring material flow from 2 or 3 lines together into a single line. Offering both side merge and converge options, the BestConnect+ range can be applied to many layout solutions.

BestConnect+

Technical Data

Structural Data

Module Length	Application Specific up to 6m.
Effective Width	630mm, 850mm, 1050mm, 1250mm as standard – Others available on request
Roller Pitch	55mm or 60mm – Others available on request
Merging Angles	30°, 45° for side merges, ~20° for converge sections.
Module Height (TOR)	750mm to 890mm adjustable height – Others available on request
Side Plates	Laser cut folded steel – powder coated finish
Side Guides	3mm thick folded steel – 150mm, 300mm, or 600mm high above TOR.
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	Singulated merge control, line priority control, jam detection
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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