

BestConnect+

Robust Modular System Conveyors

Data Sheet: Curved Driven 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

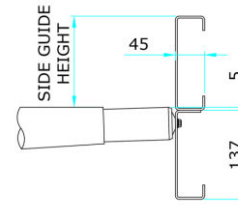
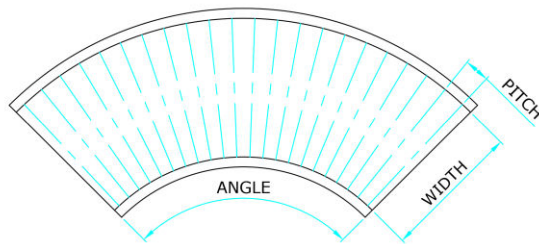
Curve sections are a simple system solution to change direction of flow while maintaining orientation by utilizing tapered rollers.

BestConnect+

Technical Data

Structural Data

Module Length	30°, 45°, 60°, and 90°
Effective Width	630mm, 850mm, 1050mm, 1250mm as standard – Others available on request
Roller Pitch	4° or 5°
Inside radius	825mm
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 with tapered sleeves, Precision bearings, Ø12mm Z/P axles with M8 female thread
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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