

# Belt Conveyors & Merges: Belt Merge

## BELT MERGE

### > Multi Conveyor Merging Operations

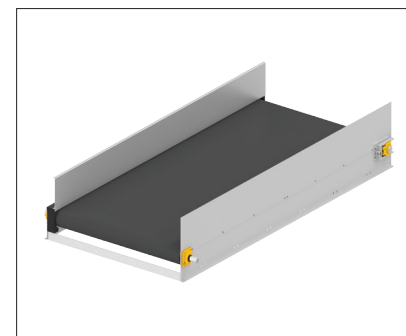
#### When You Need To Merge Two or More Conveyor Lines.

The Most Reliable - Belt Merge Conveyors from Interroll!



Interroll Belt Merge Conveyors facilitate the merging of two or more conveyor lines into a single product transport line and provide a solution to belt tracking problems found whenever a short wide belt conveyor is utilized.

Manufactured by the world's most reliable producer of specialty conveyor equipment, Belt Merge Conveyors eliminate side load tracking problems encountered on regular belt conveyors. These units are specially designed for manufacturing, warehouse/distribution center and airline baggage applications. An optional series of fixed position bed idler rollers allows for the safe, smooth transition of extra-heavy product loads.



### Technical Specifications

#### General technical data

Max. Load Capacity	50 lbs/ft
Max. Conveyor Load	500 LBS
Conveyor Speed At CL	0 - 568 fpm
Ambient temperature	5° - 176° F

#### Drive Data

Rated Voltage	400V / 50HZ / 3PH 460V / 60HZ / 3PH
Power	.5HP - 7.5HP
Motor Type	Gear Motor
Drive Mount	Shaft Mounted
End Roll Diameter	6 in

#### Materials

Belt Material	PHR 3-135 MF FR BB x BB
Construction	10 gauge / 3mm
Shaft Size	1 15/16"
Drive Chain	Tsubaki #50 0r #60
Finish	RAL DTM
Bearings	Peer MHS

#### Dimensions

Frame Height	10-5/8 in / 270mm
Length	60" - 360"
LW Clearance (BSG)	10-5/8 in / 270mm
Min TOB Height	10-5/8 in / 270mm
Side Guards	0" - 12"

#### Options

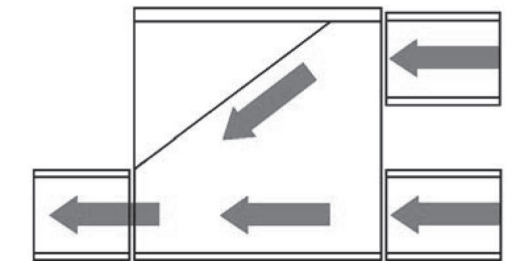
Underguarding	Expanded Metal Solid Metal Pinned Solid Steel Plastic Mesh
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#### Drive Mount Styles

Support	2" Square tubing 3" Square tubing H/S Supports Floor Blocks Ceiling Hanger
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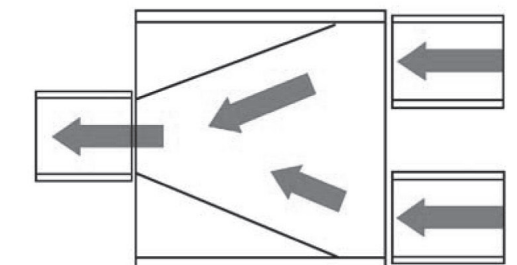
#### Single Chain Merge Application

(Lateral force on belt in one direction only)



#### Double Chain Merge Application

(Lateral force on belt in two directions)



#### Diverters

Fixed diverters are custom-designed for your installation.

#### > Positive Drive Belt System

The conveyor belt is positively driven by a shaft mounted sprocket engaging a precision sidebow chain which is attached directly to the outside edge of the belt. This positive drive system is unaffected by changes in loading, tension, temperature, humidity, and foreign material on the belt. The positive drive belt system ensures continuous, reliable operation even in harsh and difficult environments with minimal maintenance.



**Note:** the above models are examples only. Each conveyor is custom designed for your application.