



BELT TRANSFER DEVICE

The features of Systec's Belt Transfer Device (BTD) allow it to be positioned within the conveyor line at various locations. It can be moved to nearly any location. It is totally independent of the conveyor in which it rests and can be added to most other conveyor equipment manufacturer's lines that can accommodate the device frame. The BTD is designed to reduce and virtually eliminate the amount of load damage done to the bottom of the load during load transfer.

Based on the application, through optional load controls, loads can enter or discharge the device. Within certain application, the device can act as a one-, two-, three-, or four-way intersection. As with all Systec conveyor and devices, the BTD bars are all steel construction, using precision laser cut parts for exact fit and function. This is a very low maintenance device applying the most advanced safety designs and features.



OVERALL CONSTRUCTION

Systec's BTD features fully guarded belt bars to all exposed areas. The flat belt transfers the load and minimizes damage to the bottom sheets



ADJUSTABILITY

Systec's BTD chain bars and pneumatic lift actuator assemblies are adjustable on 3" increments. The device can be installed at various locations within a conveyor line.



DRIVE ASSEMBLY

Systec's BTD drive is a direct drive assembly. It is tucked neatly into the framework of the device avoiding the need for a floor mounted drive.

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SPECIFICATIONS

Between Frame Dimensions	60", 72", 84", 96"
Diameter	5' - 8' on 1' increments
Top-of-Roller Height	12" T.O.R. standard (heights over 12" available)
Drive Capacity	3,500 lb/unit
Conveyor Speeds	30, 45, 60 FPM
Motor	Flange mounted, 3/4 HP, 230/460 volt, 3-phase, 60 Hertz, standard
Air Requirement	80 PSI
Belt Bar Mounting	Telspar Tube, 1" Adjustability (3" for roller centers)

CONSTRUCTION

Belt Bar	Laser cut and welded steel construction
Belt Guide	Rivet mounted UHMW plastic chain rail
Belt	2 1/2" wide, plastic link chain
Idler Sprocket	15 tooth, nylon, plain bore
Shaft	1" Diameter common drive shaft
Bearing	1" Diameter, Sealed-for-life, flange mount

CONTROL OPTIONS

Automatic	Positioning controls with electro-mechanical sensor actuation
Safety Controls	Automatic collision safety
Priority Entry	Automatic load entry from perpendicular conveyor
Manual	Pushbutton operation

