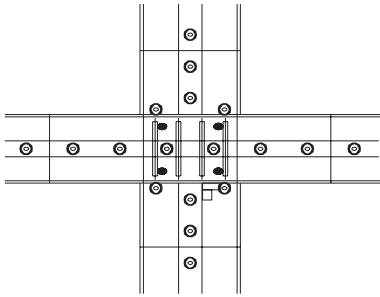
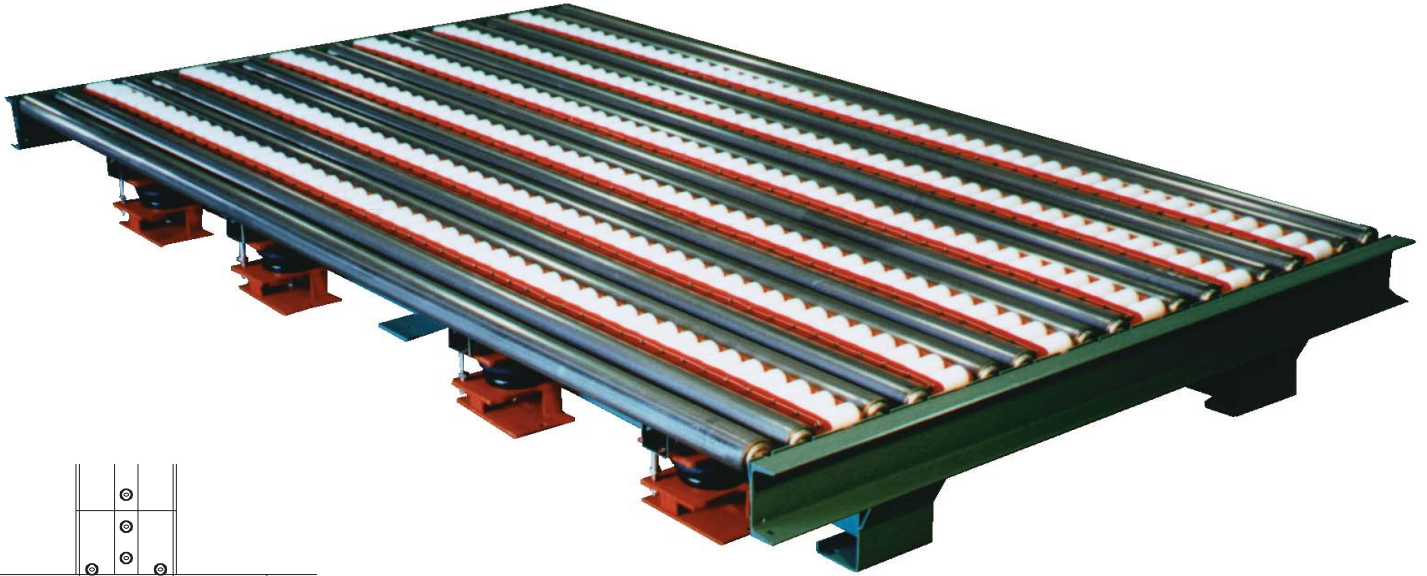


# Roller Transfer Device (TDR)

ENTRY/EXIT DEVICE



*TDR's provide for manually powered, bidirectional transfer of loads between adjacent perpendicular conveyors.*

## PRODUCT DESCRIPTION

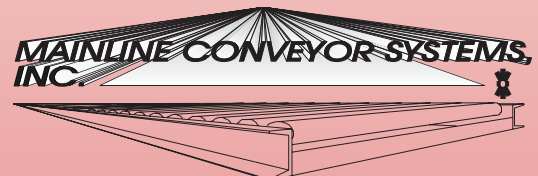
The roller transfer device (TDR) is a bidirectional transfer device that facilitates load transfer to or from adjacent perpendicular conveyors on either side of the device. These devices include spaced racks of nonpowered rollers that raise the load and support it during lateral transfer to or from the device. Air actuators are used to raise and support the device and load, and are usually operator controlled by means of a foot valve located near the intersection. Loads are moved to or from the device in the raised position by the operator's manual effort.

## APPLICATION

TDR's are used to transfer loads between adjacent perpendicular conveyors. These devices may be used to provide 2, 3, and 4 way intersections. Typically, these units are employed where transfers need not be automatic, loads are relatively light, and transfers are not frequent. These units may be installed as part of new conveyor installations or may also be used in existing conveyor installations.

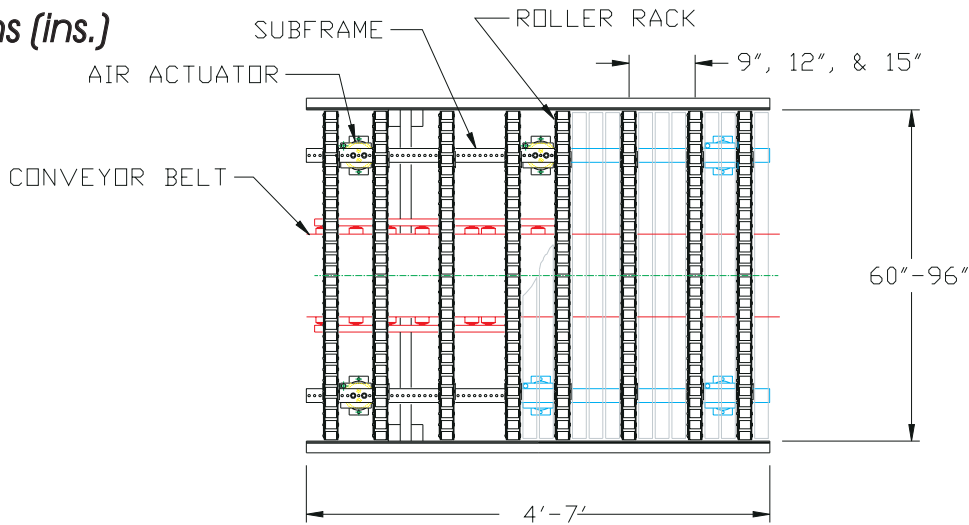
## FEATURES

- For use with new and existing Mainline Conveyor Systems conveyor.
- Adaptable for use with other manufacture's conveyors.
- Nonmetallic UHMW rollers are mounted on steel shafts supported by formed channel roller racks.
- Each rack occupies the space of one conveyor roller, and all are tied together as a unit by the subframe.
- Rack spacing is typically 9" to 15" center to center, but may be adjusted to suit a particular application.
- Racks are pneumatically raised and lowered as a single, rigid unit.
- Units may be added to Chain Transfer Devices (TDC) to extend load length capacity in certain applications.



# ROLLER ENTRY DEVICE (TDR)

## Dimensions (Ins.)



## GENERAL SPECIFICATIONS

Nominal Conveyor Width	60", 72", 84", 96" (bf)*
Nominal Device Length	4', 5', 6', 7'
Minimum Height	12" T.O.R.*
Load Capacity	2,500 lbs., per device @ 80PSIG air supply
Rollers	1.5"Dia. x 2-1/8"L mounted on 2" centers on 5/16"Dia. shaft
Roller Rack Spacing	Racks spaced at 9", 12", or 15" nominal center to center

## POWER REQUIREMENTS

Air Supply	6 CFM @ 90 PSIG, to raise in 1 sec. (for units with 6 air actuators)
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## CONSTRUCTION

Rollers	UHMW-PE plastic rollers are journal mounted to 5/16" steel shaft
Number of Racks	As required, varies by length of device
Roller Racks	formed steel channel occupies space of one conveyor roller
Frame	Welded Racks bolted to steel tubing sub frame

## CONTROL OPTIONS

Manual Operation	Operator pushbuttons in local pushbutton station actuate air solenoid valve Footswitch located near unit on floor actuates air solenoid valve Footvalve located near unit on floor actuates unit directly
Automatic Operation	Not available

\* Narrower widths and lower T.O.R. are possible with some nonpowered roller conveyors.



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