



### **OVERALL CONSTRUCTION**

*Systec's powered roller conveyor is all welded steel frame construction, featuring laser cut precision technology.*



### **DRIVE PACKAGE**

*Systec's drive package features an 8" diameter, vulcanized rubber coated drive drum with 270° of wrap on the drive belt. The gearmotor is a direct drive unit - no chains and sprockets!*



### **TAKEUP PACKAGE**

*Systec's take-up package features the same precision laser cut technology and features the easy access, easy track, belt tracking system.*

## *POWERED ROLLER CONVEYOR*



### **DESCRIPTION**

Systec's powered roller conveyor is provided as powered accumulating roller (PAR), or powered roller only (PRO) conveyor.

The features of PAR conveyor is the fully accumulating drive, take-up, and intermediate sections, or midsections. PAR conveyor allows loads to be added to a conveyor line without disruption, or movement of loads already present on the line. With optional control features, loads can be added to the conveyor line until it is full, maximizing utilization of the entire conveyor line. Another control option would be multiple areas of accumulation, or zones, for loads to move independently and stage down the conveyor line. The accumulation features of PAR conveyor allow a single, one horsepower drive, to run up to 70' of conveyor.

Systec's PRO conveyor features a positive drive on the entire conveyor line and allows loads to be "indexed" as each load is added to the conveyor line. The indexing of loads will maintain a gap between the loads. Either line can be easily converted from PRO to PAR, or PAR to PRO.

All Systec conveyors are manufactured using the latest technology available, from jig and fixture weldments, to laser cut parts for precision fit and extended life. There is no comparable conveyor to Systec's conveyor, devices, and overall performance.

**POWERED ROLLER CONVEYOR (PRO, PAR)**



*The Leader in Conveyor Innovation!*

# POWERED ROLLER CONVEYOR (PRO, PAR)

## SPECIFICATIONS

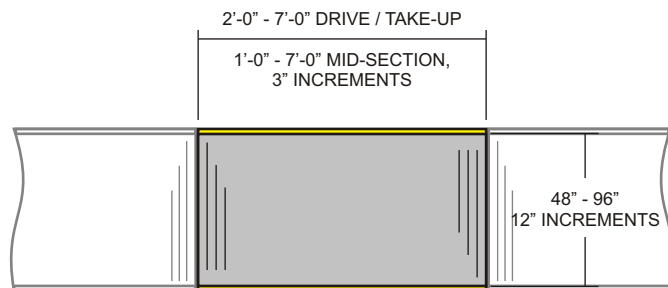
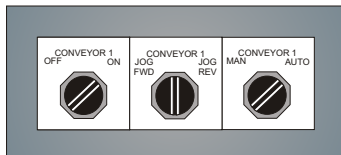
|                         |   |
|-------------------------|---|
| Between Frame Dimension | 48", 60", 72", 84", 96"   |
| Overall Width           | add 4 1/4" to B.F. Dimension  |
| Section Lengths         | 2'-0" - 7'-0" Drive and Takeup Section (on 3" increments)<br>1'-0" - 7'-0" Mid-Section (on 3" increments) |
| Top-of-Roller Height    | 12" T.O.R. Standard (heights over 12" available)  |
| Drive Capacity          | 1,000lb/ft., 25,000lb/area of accumulation  |
| Conveyor Speeds         | 30, 45, and 60 FPM  |
| Motor                   | 1HP, 230/460volt, 3-Phase, 60 Hertz, Standard   |
| Air Requirement         | 60 PSI  |

## CONSTRUCTION

|                         |  |
|-------------------------|--|
| Sideframe               | 5" Channel, All-Welded Steel Frame Construction  |
| Tie-Braces              | Tube Steel, 4" x 4", 2" x 4", and 3" x 4" structural steel angle end braces (all tie-braces are gusset reinforced to the 5" channel sideframe) maximum 48" centers |
| Roller Support          | Precision laser cut for 11/16" hex roller shaft  |
| Roller Centers          | 3" Standard  |
| Bearings                | Greased packed, 13 piece-3/8" ball bearing, teflon sealed for life bearing   |
| Shafts                  | 11/16", 1018 Solid Carbon Steel  |
| Pressure Roller Channel | Precision laser cut and formed 3 3/4" x 1 1/4"   |
| Drive Pulley            | 8" Diameter, Vulcanized Rubber, Crowned, 1 3/8" Diameter Shaft, with 270° belt wrap  |
| Takeup Pulley           | 4" Diameter Crowned, 1" Shaft  |
| Belting                 | 15" Wide PVC Covered Both Sides, Nylon Interwoven  |

## CONTROL OPTIONS

|                      |   |
|----------------------|---|
| Automatic            | Positioning Controls with Electro-mechanical Sensor Actuation   |
| PC/Computer Controls | Positioning Controls with Control Software using Programmable Controller and/or Computers for Automatic Operation |
| Zone Controls        | Positioning Controls using Photo-electric and Pneumatics to Control Load Movement                                 |
| Manual               | Pushbutton Operation  |



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