

# CHAIN DRIVEN ROLLER – HEAVY DUTY

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### DESCRIPTION

- Heavy Duty Chain Driven Conveyors are ideal for use where a belt driven live roller conveyor cannot be used. Many applications may require a short section of Chain Driven Conveyor to act as a bridge between belt driven conveyor or devices. The simple design and construction of Chain Driven Conveyor allows sections to be shorter in length than standard belt driven conveyors.
- Typical Top-of-Roller height is 12" (30.5 cm). However, the TOR can be lowered by mounting the motor/reducer outside the conveyor, or can be higher when mounted on sturdy legs as seen in the above illustration.
- Power to the rollers is usually distributed from the center of the conveyor to the primary drive rollers and then transmitted to all remaining rollers using #40 roller chain over hardened steel sprockets.

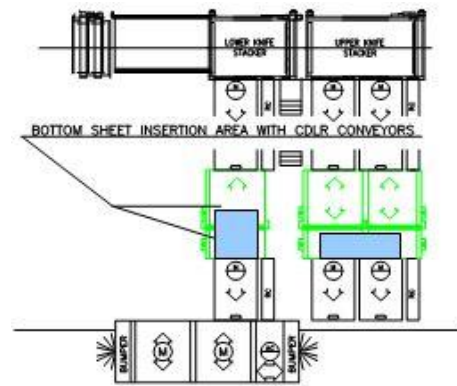
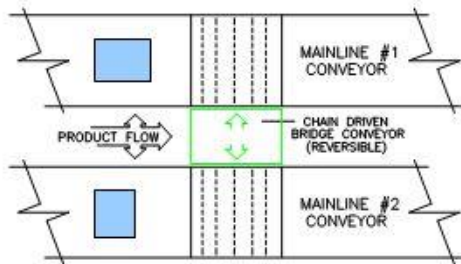
### FEATURES

- Powered by a 230V/460V/3PH/60Hz "C" face mounted gear motor with other voltages available. Horsepower varies based on conveyor speed requirement.
- Utilizes heavy-duty 3-1/2" (8.9 cm) OD chain driven rollers mounted using sealed 2-bolt flange bearings.
- Maximum load capacity of 3,000 lbs. (1,360 kg).
- Sprockets and chains are fully enclosed by removable safety guards.
- Pre-wired safety lockout switch, control panel and operator control console.
- Made using 5" (12.7 cm) structural steel channel side frames.

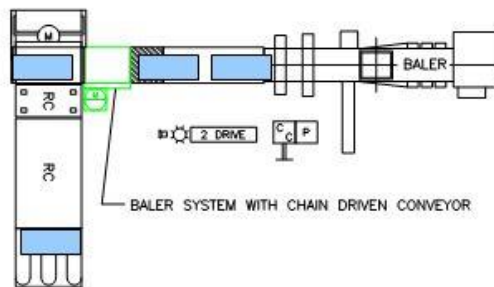
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## Example Applications:

### CROSS-OVER BRIDGE APPLICATION



### BOTTOM SHEET INSERTION



### BALER SYSTEM CONVEYOR

## SPECIFICATIONS

Between Frame Widths:	48", 60", 72", 84", 96" (1.2 m, 1.5m, 1.8m, 2.1m, and 2.4m)
Lengths:	3'0" through 10'-0" (0.9m through 3.04m) in 3" (0.76m) to 4" (0.1m) increments depending on application.
Minimum Height (TOR):	12" Standard (30.5 cm)
Maximum Load Rating:	3,000 lbs. (1,360.8 kg) per unit
Conveyor Speeds:	Standard 40 or 60 FPM (Other conveyor speeds available to suit application)
Motor / Reducer:	
Motor:	'C' Face mounted motor. 230V/460V/3PH/60Hz. Other voltages available as needed. Horsepower varies with the conveyor speed requirement. Full amperage load 1.08 to 2.00 amps (depending on conveyor speed).
Reducer:	Single right-angle worm-type reducer transmitting power directly to the drive rollers.
Product Construction:	
Side Frames:	Rugged 5" (12.8 cm) structural channel side frames with flat bar welded in for placement of the load-carrying rollers on 4" (10.2 cm) centers.
Supports:	Made from structural steel and precision CNC cut and punched components.
Load-Carrying Rollers:	3" Schedule 40 pipe (3- 1/2" (8.9 cm) OD) chain driven rollers with 1" Diameter (2.54 cm) shafts mounted in sealed 2-bolt flange bearings and driven by #40 roller chain.
Control Options:	
Manual:	Push button operator actuation
Automatic:	Positioning controls with sensors and control software utilizing programmable logic controllers to facilitate fully automatic operation.