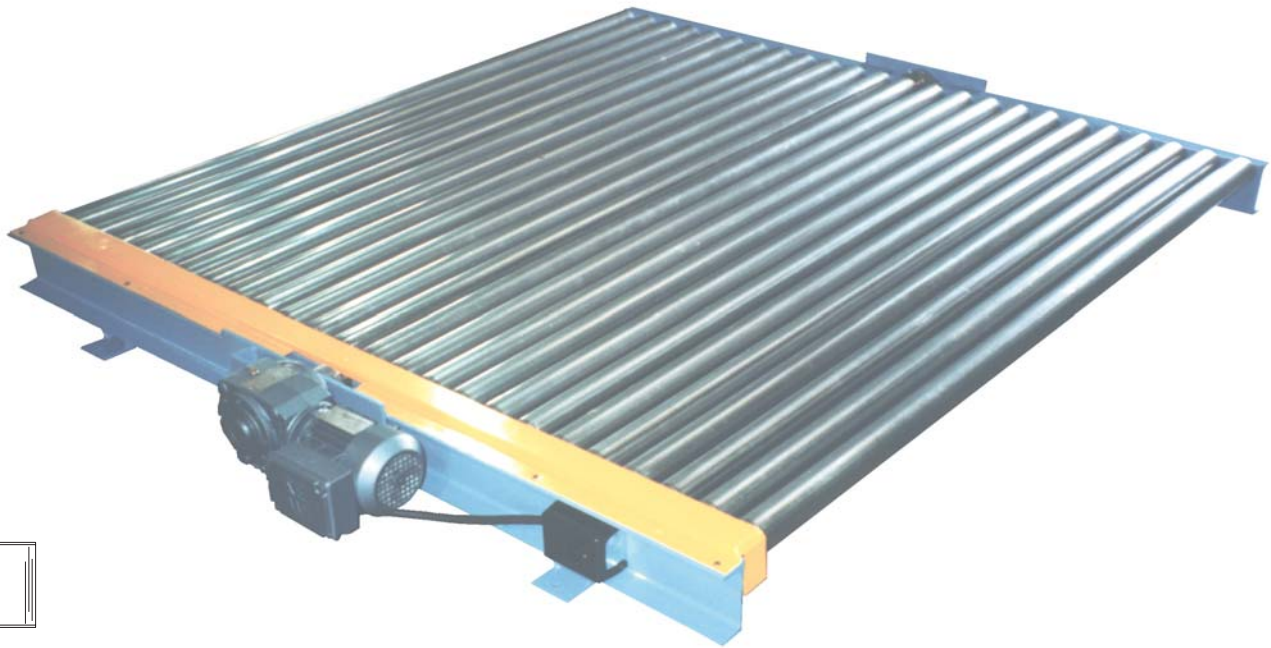


# Chain Roller Conveyor (CRC)

CONVEYOR



*All chains, sprockets and safety guards are below the roller surface, reducing load interference.*

## PRODUCT DESCRIPTION

The Chain Roller Conveyor (CRC) is a live roller conveyor that provides exceptional positive drive. Unlike belt driven roller conveyors, which rely on friction drive, these conveyors are direct driven by the roller chain and sprocket assembly. Drive is provided by a gearmotor and is distributed from the center rollers out to each end of the conveyor. The conveyor includes 2-1/2" Dia-1 1/2 Ga rollers supported in a frame on 5/8 hex axles. Each roller has two sprockets at one end, and are chained from one to another to transmit the drive. The sprockets, chains, and guard are low profile and are maintained below the load carrying surface of the rollers.

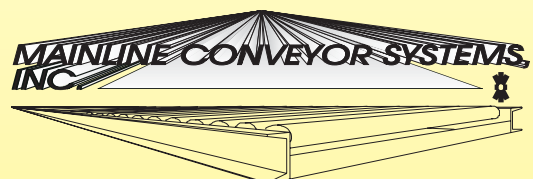
The Chain Roller Conveyor features a welded frame construction similar to our standard belt driven conveyor. Rollers may be either lift out or spring retained. Drive means may be mounted inboard or outboard. Standard construction allows for TOR's of 12". However, an alternate design provides TOR's as low as 6" when necessary.

## APPLICATION

Chain Roller Conveyors are intended for transporting unit loads where nonaccumulating positive drive is a must. These conveyors are well suited for situations where short conveyor length or width, or low profile requirements prohibit the use of traditional belt driven roller conveyors.

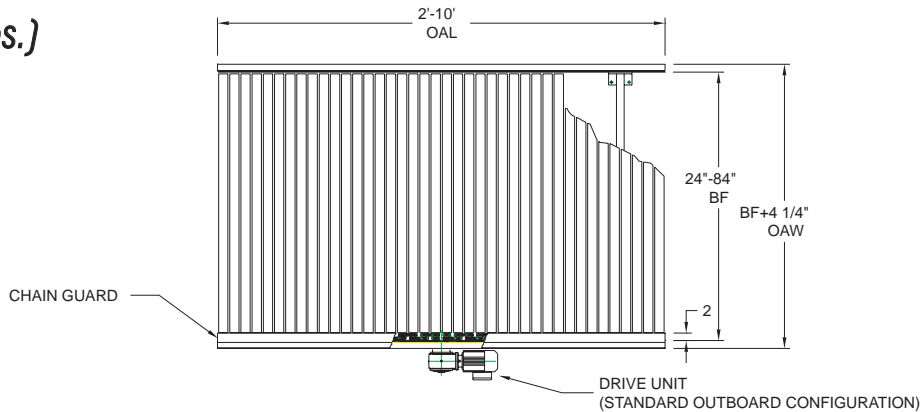
## FEATURES

- Chain drive insures positive load movement.
- Available with standard 12" TOR or alternate 6" TOR configuration.
- Inboard or outboard drive available.
- Gearmotor may be chained to center rollers or shaft mounted.
- Shaft mounted drive simplifies power transmission and maintenance
- Laser cut shaft supports improve accuracy of assembled unit.
- Low profile chain, sprocket, and guard assembly reduces interference with overhanging loads.
- Frame construction includes channel sideframes with formed angle as available alternate.
- Center of conveyor drive location allows for maximum conveyor length.
- Self contained preassembled construction simplifies installation.
- Optional tangential chain drive conveyors also available.



# CHAIN ROLLER CONVEYOR

## Dimensions (Ins.)



## GENERAL SPECIFICATIONS

Nominal Conveyor Width	24" through 84" (bf) (6" increments)
Conveyor Length	2'-0" - 10'-0" (3" increments)
Height	12" TOR standard; 6" TOR (with alternate configuration)
Drive Capacity	4,000 lbs.
Conveyor Speed	40, 60 FPM

## POWER REQUIREMENTS

Electrical Supply; Amperage	230-460V/3ph/60hz; 1.85 Amps(460V) @ full load
Drive Gearmotor	1 HP @ 40 or 60 FPM

## CONSTRUCTION

Frame	Standard Integral weldment (lift out rollers), Includes: Sideframe: C5x6.7# structural steel channel Shaft supports: Formed Flat, 3/16" thick x 2-7/8" width w/Laser cut support slots Tie braces (cross supports): 4 x 2 x 1/8" rectangular tubing at max 4'-0" centers. Legs: Formed Flat, 3/16" thick x 6" width, 2 per tie brace
Rollers	Standard lift-out style roller mounted in frame on 3" centers includes: Tube: 2.5" diameter x 11 gauge steel (Galvanized also available) Shaft: 5/8" solid CR hex, retained in roller Bearings: Precision grade 6205 series sealed bearing Sprockets: 2 - 10 tooth #40, 1/2" pitch

## CONTROL OPTIONS \*

Manual Operation	Pushbutton operator-actuated
Automatic Operation	Combines with load detecting sensors and control logic to position and advance loads.
PC Controls	Pushbutton controls are included with automatic controls as application dictates.

\* Contact Mainline Conveyor Systems, Inc. for additional control or capacity information.



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