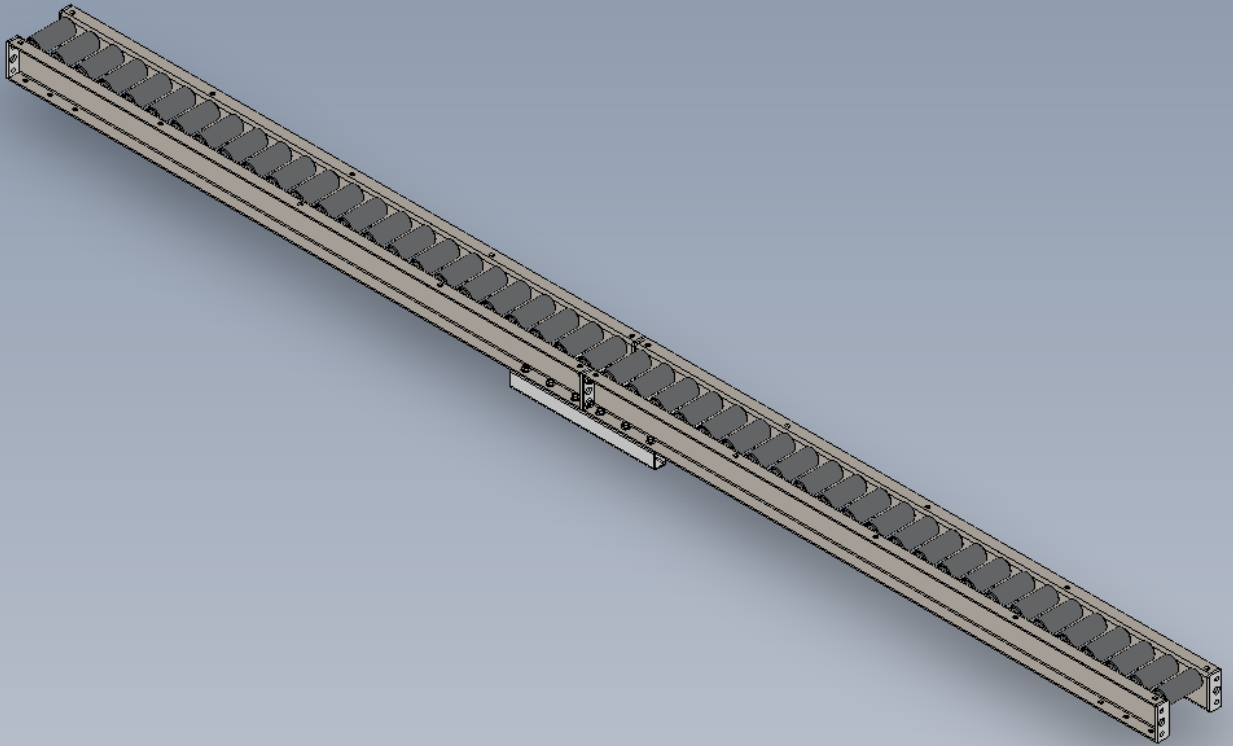


# Gravity Roller Conveyor Owner's Manual



Thank you for purchasing our product



## **TABLE OF CONTENTS**

Page 1 – Safety Considerations

Page 2 – Installation / Set up

Page 3 – Maintenance Item / Interval

## Safety Considerations:



### WARNING



- Do not have long hair, jewelry, or loose clothing while operating or near the conveyor, as these are potential hazards that could cause entanglement.
- Do not operate equipment without proper guards in place, as bodily injury may result.



- Pinch points may exist. Inspect equipment for potential pinch points and use caution.



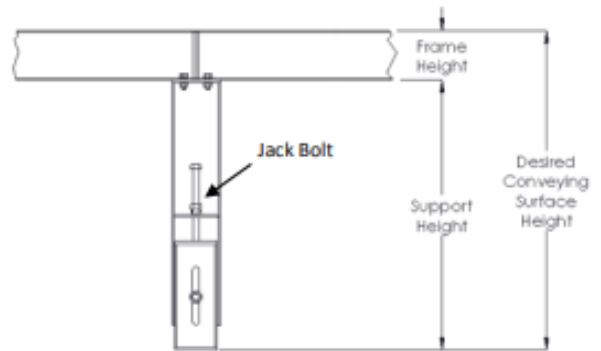
### CAUTION

- This equipment is to be operated by trained personnel only. Operators should be trained under normal and emergency conditions.
- Personnel operating or near the conveyor should watch for and be aware of conveying hazards, such as sharp edges, protruding parts, etc.
- Ridding on conveyor is strictly prohibited, as serious injury may result.
- This equipment may create hazards. The owner is responsible for analyzing the installation of this equipment in order to make determinations regarding the posting of warning signs in order to comply with applicable OSHA standards.
- Conveyor should only be used to transport materials or items that it is originally intended and designed to handle.
- Do not load conveyor beyond its designed handling capacity.
- Keep area around loading and unloading points of conveyor free from obstructions.
- Poor housekeeping practices can cause accidents. Keep conveyor and surrounding area clean from spilled lubrications and other materials.
- Always use extreme caution when using mechanical aids, such as hoists, cables, and other equipment to install or perform maintenance on conveyor.

# Installation / Set up:

## SUPPORT INSTALLATION (If Equipped)

- Bolts for attaching the supports to the bed sections are shipped in a bag attached to the supports or in a separate box.
- Set the support height using the adjustable jack bolt – see *Figure 1*. To adjust, either screw or unscrew the jack bolt. This will raise or lower the support.
- Supports should be located at ends of conveyor and centered under each splice on multi-piece conveyors (nominal 10' centers).
- If supports are located on nominal 5' centers, center additional supports midway between supports at splices.

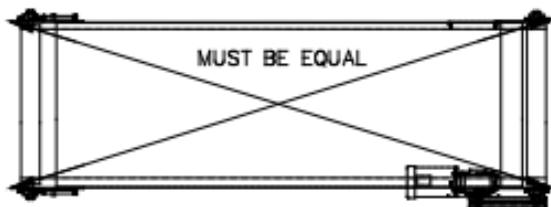


**Figure 1** – Support Height Adjustment

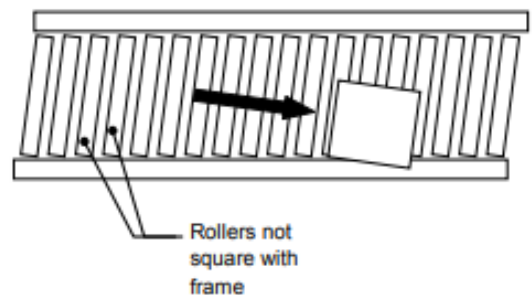
## CONVEYOR SET-UP

- Mark a chalk line on floor to locate center of the conveyor.
- Place the first conveyor section in position.
- Install remaining sections in order.
- Check that conveyor is level across both width and length of conveyor. Adjust supports if necessary.
- Check all bed sections for square. See *Figure 3.1* and *3.2*. Use a string stretched from opposing corners at edge of bed to aid in straightening conveyor. Ensure that both dimensions are the same. Adjust or shim supports as required. Both sides of the conveyor must be in the same plane (bed not twisted).
- Tighten all butt couplings and support mounting bolts and lag conveyor to floor.

**Figure 3.1** – Check bed for square



**Figure 3.2** – "Racked" Conveyor



## Maintenance:

| OMPONENT   | ACTION                                                                                                                                              | SCHEDULE |         |           |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-----------|
|            |                                                                                                                                                     | WEEKLY   | MONTHLY | QUARTERLY |
| ROLLERS    | Confirm all rollers rotate freely. If roller does not rotate freely, check for dirt accumulation in bearing and clean. Replace roller if necessary. |          | ✓       |           |
|            | Confirm all rollers fit tight and are secure between frames. Fix as necessary.                                                                      |          | ✓       |           |
|            | Check rollers for dents or damage. Replace as necessary.                                                                                            |          |         | ✓         |
| STRUCTURAL | Check conveyor frame, couplers, supports, and bearings for loose or missing hardware. Tight or replace as necessary.                                |          | ✓       |           |