



**Industrial Conveyor Specialists**

**Installation, Maintenance & Parts Manual  
For**

**MODEL 108  
Slider Bed Belt Conveyor**

For Additional copies of this manual, please visit our website at  
[www.titanconveyors.com](http://www.titanconveyors.com)

Go to Info Center, Select the Maintenance Manual Tab  
and select the manual for your model conveyor  
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**Serial No.**







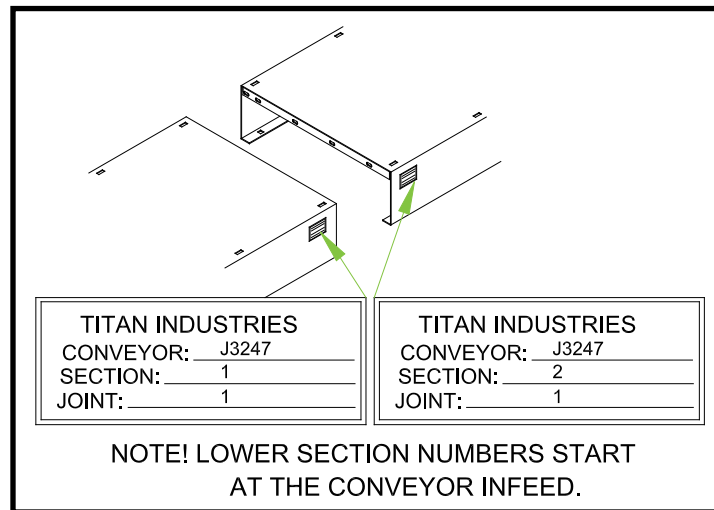


**IN ORDER FOR THE CONVEYOR TO BE STABLE, THE SUPPORTS MUST BE LAGGED TO THE FLOOR OR SUPPORT STRUCTURE. THIS IS THE CUSTOMER RESPONSIBILITY!!**

## FRAME ASSEMBLY

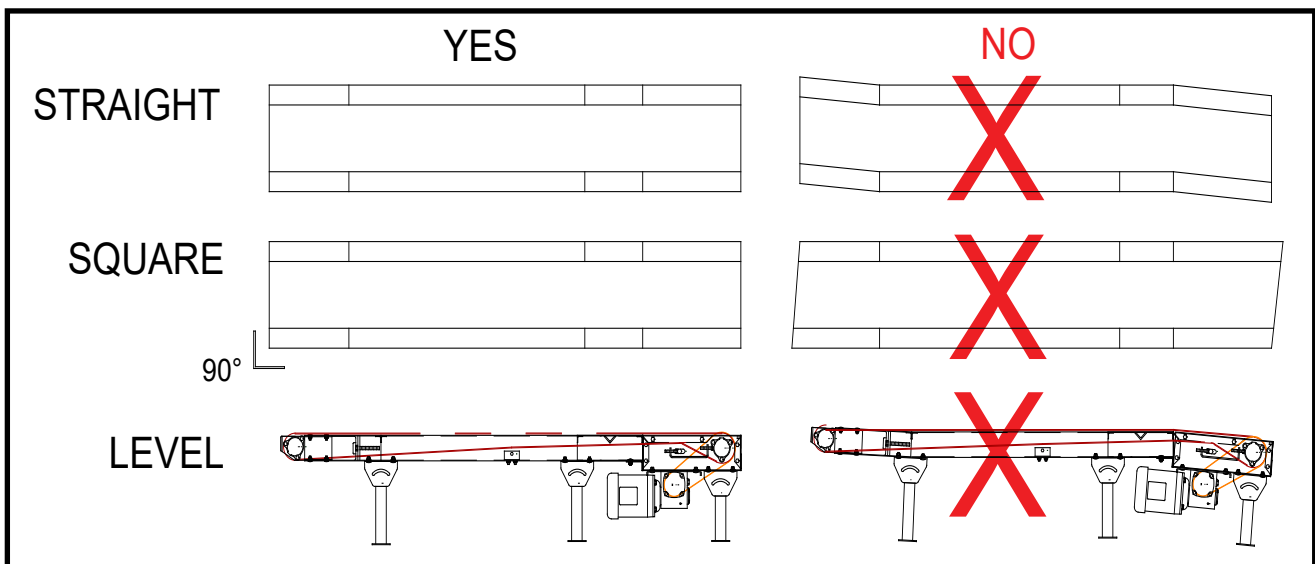
1. To start, along side the area where the conveyor is to be installed, layout the frame sections in their proper position according to the ordered description or refer to your copy of the approval drawing.

**NOTE:** If several sections of frame are to be joined in a particular sequence, they will be factory matched marked. See *FIGURE 2*.



**FIGURE 2**

2. Layout a line on the floor to represent the centerline of the conveyor. As frame sections are bolted together make sure the frame remains centered on the line.
3. Generally, if there are short sections (1', 2' or 4'), position them adjacent to the drive section.
4. If a center take-up or center drive and take-up section has been provided, position the section as close to the center of the conveyor as possible.
5. Bolt together conveyor frames finger tight. Square frames and make sure all frames line up with adjacent section before securing all bolts. See **FIGURE 3**.



**FIGURE 3**









**BELT TRACKING** - to see the instructional video on YouTube click on the link below

1. The first step in belt tracking is to make sure all pulleys are parallel with each other and perpendicular to the frame. Once this has been done refer to **FIGURE 7** for proper tracking adjustments on end drive conveyors or **FIGURE 8** for proper tracking on center drive and take-up conveyors.











BEARINGS

- LUBRICATION** - Bearings used on Titan Conveyors are normally pre-lubed for life. If customer requested, re-lube bearings are provided, the use of a #2 consistency lithium based grease is advised.  
  
Greasing Frequency should be as many times as necessary to maintain a small film of grease leaking at the seals. This will protect against foreign materials entering the bearing. The following list is provided to aid you in acquiring the proper grease or an equivalent.

NORMAL DUTY	HEAVY DUTY
Texaco - Multifak #2	Sun - Prestige 742EP
Mobile - Mobilux #2	Exxon - Lidok #2EP
Amoco - Lithium MP	Arco - Litholene HEP2
Shell - Alvania #2	Shell - Alvania #2EP



**IF BEARING DOES NOT SLIDE ON EASILY, USE A SOFT METAL BAR TO TAP AGAINST THE INNER RACE TO ASSEMBLE.**

- REPLACEMENT** - If replacement of bearings become necessary remember to clean off the shaft, file smooth grooves or set screw marks, and oil the shaft before slipping on the new bearing.
- GENERAL** - Set up a weekly check on all bearings to ensure they remain tightly bolted down, set screws remain fastened securely and are properly lubricated.

V-BELT & SHEAVES

If provided on your drive package, V-Belt tension & sheave alignment are important for extended belt life. Read the following list over for proper maintenance or installation.

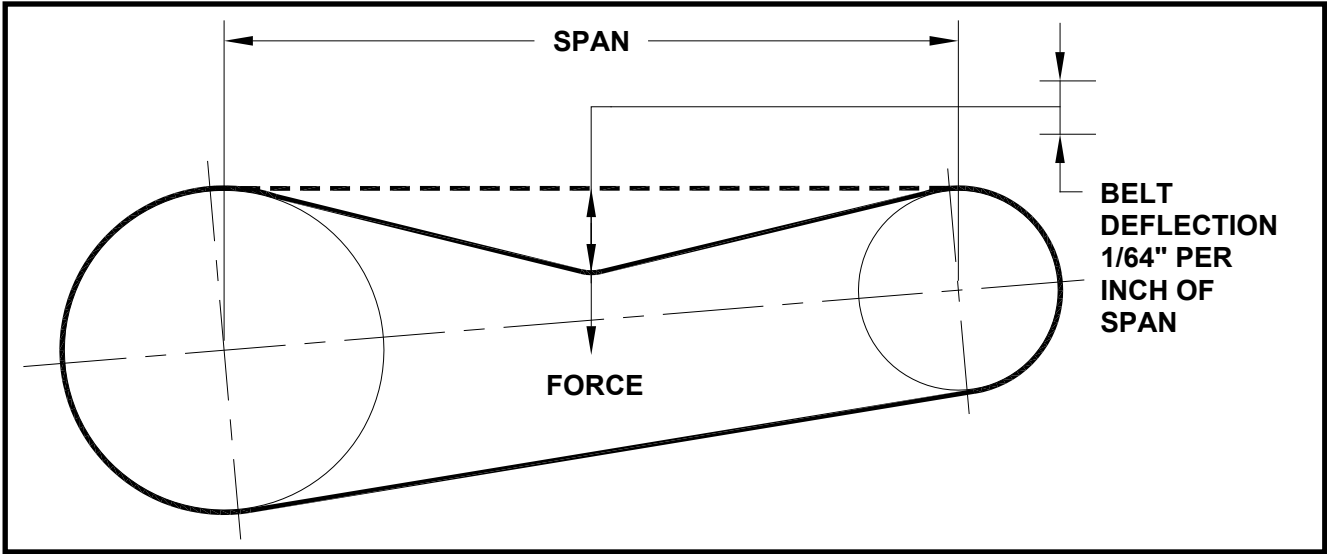


FIGURE 11

- Never pound sheaves on or off a shaft. Make sure that the shaft diameter and sheave bore is properly sized. If there are burrs caused by set screws or sharp edges on the keyway or keyseat, remove carefully with emery cloth and/or file. Clean off metal particles and dirt from the shaft and sheave before installation.
- Sheaves must be in line with each other and installed on shafts which are parallel with each other.
- DO NOT FORCE** or use the drive to install a V-belt. Have driven components loose to install the belt(s).



For longest chain life a constant film or oil is recommended. We recommend a good quality non-detergent petroleum base oil. Use the chart below



TEMPERATURE	RECOMMENDED OIL VISCOSITY
20 degrees - 40 degrees F	SAE 20
40 degrees - 100 degrees F	SAE 30
100 degrees - 120 degrees F	SAE 40
120 degrees - 140 degrees F	SAE 50



