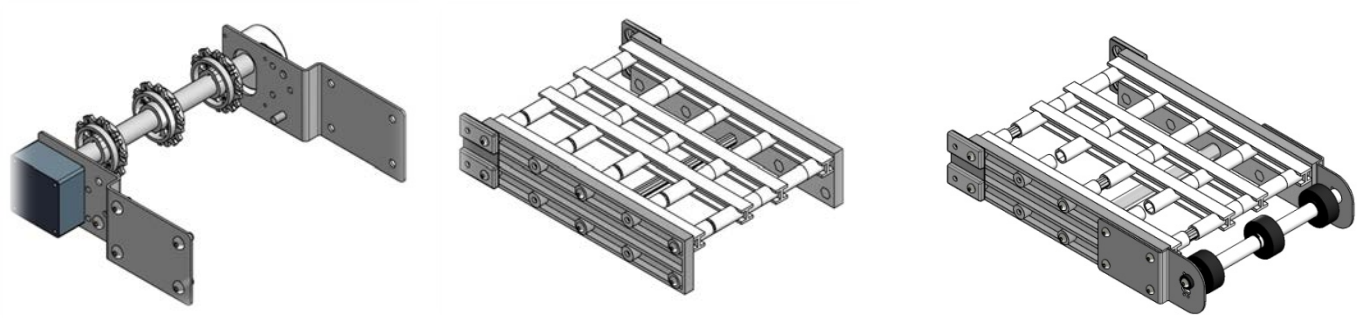

DYNA® CON

Low Profile

Assembly Instructions

KEEP IN A SAFE PLACE FOR FUTURE REFERENCE

NOVEMBER 2010

DYNAMIC CONVEYOR CORPORATION
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main: 231.798.1483
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IMPORTANT

The information contained in this manual is provided only as an aid and service to our customers. Dynamic Conveyor Corporation does not warrant the accuracy of applicability of such information and is not specifically responsible for property damage and/or personal injury inflicted directly or indirectly, or for any damages and/or failures caused by improper application, installation, operation, abuse and/or misuse of its product whether or not based on information contained herein.

WARRANTY

Dynamic Conveyor Corporation warrantees products of its own manufacture for a period of five (5) years on the DynaCon® product lines and one (1) year on the DynaCon ARB™ product line. Dynamic Conveyor Corporation will repair or replace any products that have failed under normal use due to faulty material or defective workmanship. Components, products and conveyors not manufactured by Dynamic Conveyor carry the manufacturer's warranty. No other warranty is expressed or implied unless otherwise set forth in writing and approved by representatives duly authorized to extend such approval by Dynamic Conveyor Corporation.

Additional note: Any Dynamic Conveyor Corporation equipment/systems that are physically altered without direct authorization from Dynamic Conveyor Corporation shall be termed "Product altered without authorization: no warranty or liability applies to that altered equipment/system"

LIMIT OF LIABILITY

In no event shall Dynamic Conveyor Corporation be liable for any special, indirect, incidental, or consequential damages of any character, including but not limited to loss of production facilities or equipment, lost profits, property damage, lost production, or any consequential downtime, whether suffered by distributor or third party, irrespective of whether claims or actions for such damages are based upon contract, warranty, tort (including negligence), strict liability, or otherwise.

FOR YOUR RECORDS

Thank you for your investment in DynaCon products. We believe our product will become a vital step in your production process and it will grow with your changing needs.

Please take the time to complete the following information as thoroughly as possible. It will prove helpful when you call customer service representative in the event you have any questions about assembly, installation, or operation.

DATE OF SHIPMENT_____
(This is the date warranty takes effect)

Serial Number_____

Model Number_____

Your Sales Representative:

Name_____

Company_____

Address_____

City_____State_____Zip_____

Phone_____

Fax_____

Email _____

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OPERATION

DynaCon Low Profile Conveyors are designed to operate continuously in a forward direction, i.e., product is conveyed toward and discharged off the motorized module (Drive Module).

MAINTENANCE

DynaCon Conveyors are designed to be easy to maintain and repair. To ensure proper operation, we recommend periodically inspecting the frame, motor, and belt supports.

Under ordinary operating conditions, the belt and conveyor frame should be checked for any abnormal wear or stress (i.e., continuous grooves cracks, etc.). No lubrication of the belt or belt supports is necessary.

Under high speed or continuous use conditions, more frequent inspection is encouraged.

Under dirty or greasy operating conditions, a daily inspection along with periodic cleaning of the belt, and belt supports is recommended. This will require removal of the belt in most cases.

(**Note:** DynaCon Conveyors are not intended for use in abrasive environments.)

Necessary steps should be taken to correct any problems as soon as they are discovered. Any questions or concerns may be directed to your local sales representative and/or a customer service technician.

WHEN YOUR SHIPMENT ARRIVES

The packing slip will be accompanied with a drawing of your conveyor configuration. The drawing will prove helpful when assembling your conveyor.

TOOLS REQUIRED

Accompanying this Assembly Instructions booklet is a 7/32" Bondhus bit for button head cap screws. A No.3 Phillips-head power driver will help expedite the assembly of the conveyor.

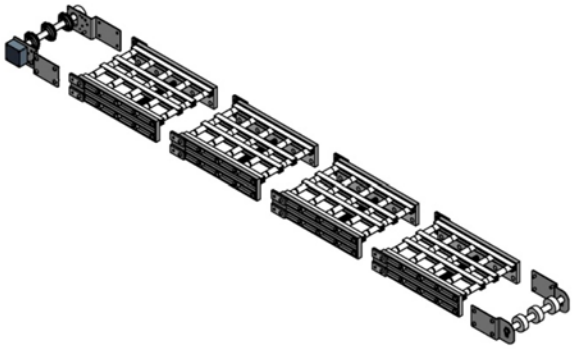
BEFORE YOU START ASSEMBLING

IMPORTANT: Every DynaCon conveyor requires a minimum of two assemblers.

1. Locate an area where you will have ample space to lay out the conveyor
2. Follow the step-by-step directions on the proceedings pages
3. **NOTE**: Your DynaCon Conveyor configuration may differ from the following examples shown
4. If you have any questions while assembling your conveyor, your local sales representative and/or Dynamic Conveyor stand ready to give you the assistance you need. Call Dynamic Conveyor Corporation at 231-798-1483

Configuration of the Conveyor

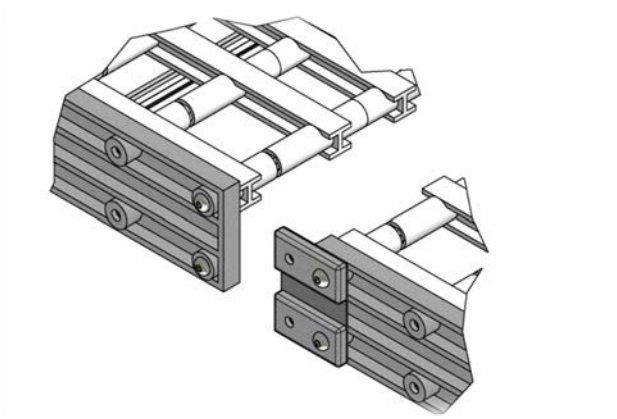
1. Reference the drawing of your conveyor to determine the proper position of each module



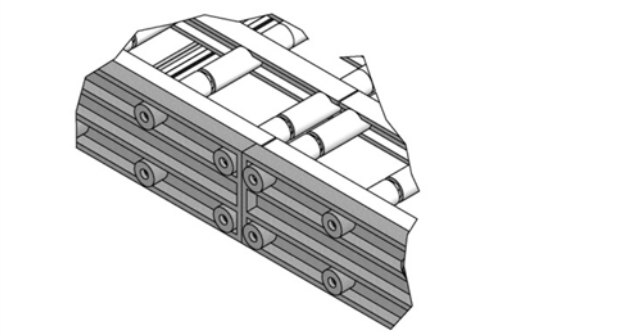
2. All DynaCon conveyors consist of a Drive Module, Feed Module and at least one (1) Mid Module
3. Begin by placing the Drive Module at the far end of the arrangement
4. Lay all Mid Modules in the proper configuration
5. Continue placing modules in the proper configuration ending with the tailstock at the opposite end of the Drive Module

Connecting Modules

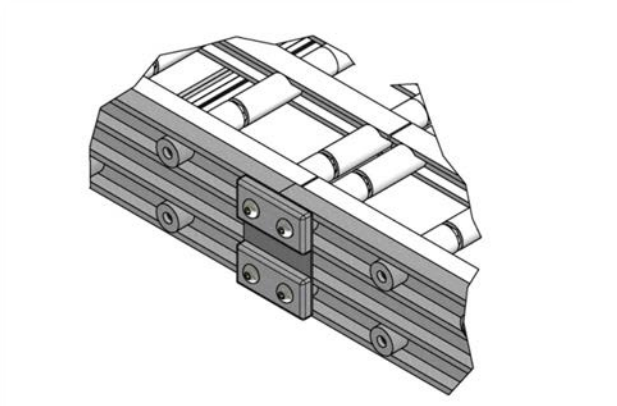
1. Completely remove the hardware and connectors from both modules



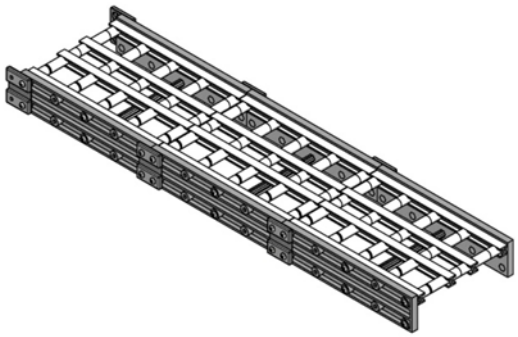
2. Place modules side by side



3. Place connectors over bosses and secure with hardware

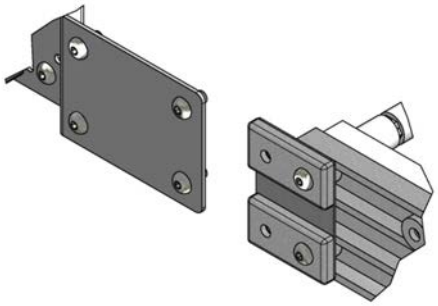


4. Repeat steps 1 thru 3 for all remaining modules so that they are in sets of 3

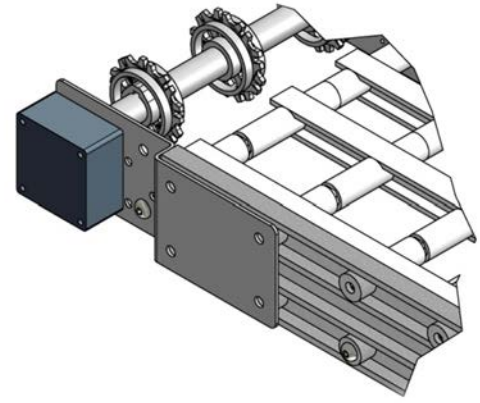


Connecting the Drive Module

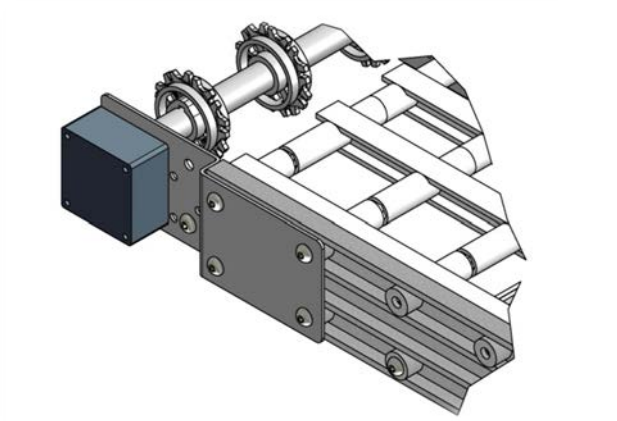
1. Remove the hardware in the drive module that is used to attach to the next module and remove hardware and connectors in the mid module



2. Join the drive and the mid module



3. Add hardware to secure the drive module



Leg Supports

Reference the drawing of your conveyor for the proper placement of the leg supports. The distance between leg supports should not exceed six feet.

Note: 24” to 60” leg supports require 1 cross bar.

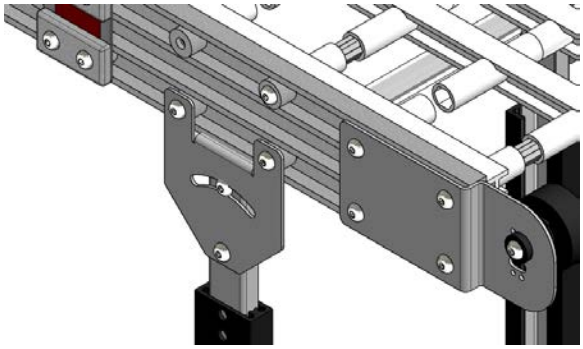
72” to 96” leg supports require 2 cross bars.

108” and taller leg supports require 3 cross bars. 108” and taller leg supports are not available with casters and must be permanently secured to floor.

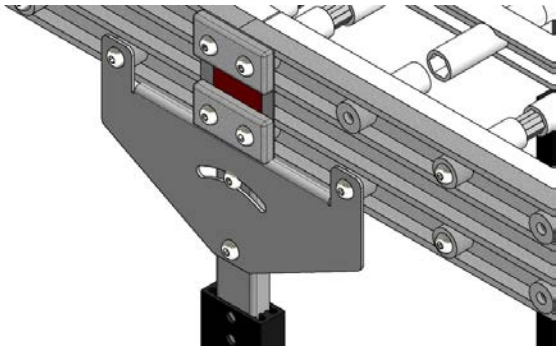
1. Install a cross bar assembly to base of the upright supports

2. Install a second cross bar assembly to the support approximately half way up the leg if necessary

3. Attach the leg set to the correct module with hardware provided
4. The drive and feed module will be the leg set with a smaller bracket as pictured.



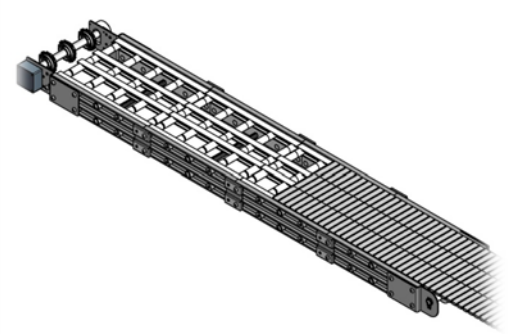
5. The leg sets that are connected to the mid module will be larger and will connect between 2 mid modules.



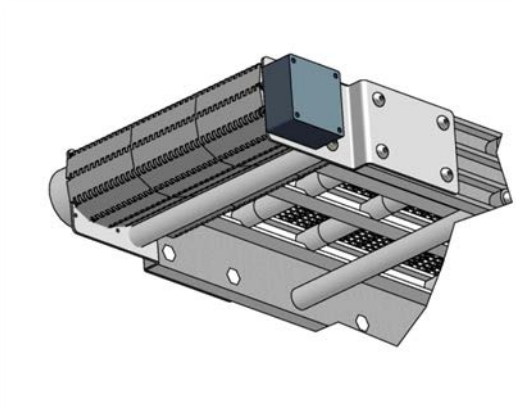
6. Adjust the height by removing the screws in the upright bracket and sliding the conveyor up or down to the desired height

Adding the Belt

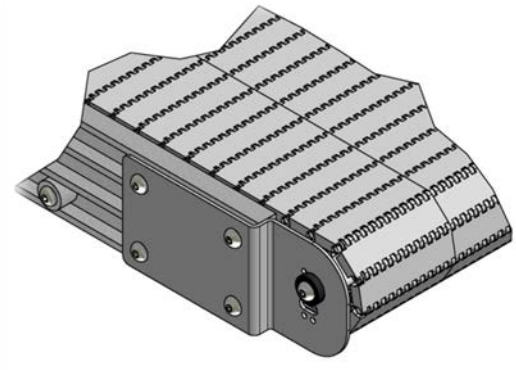
1. After the conveyor is assembled add the belt starting at the tailstock end



2. When the belt reaches the drive module make sure that the sprockets engage the belt correctly and wrap the belt around to the underside of the conveyor going over all the return rollers

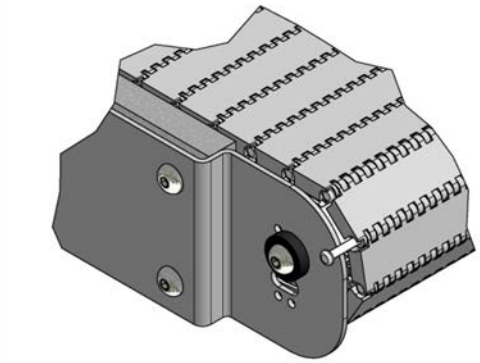


3. When the belt reaches the tail stock module bring the belting together so the ends interlock without much effort



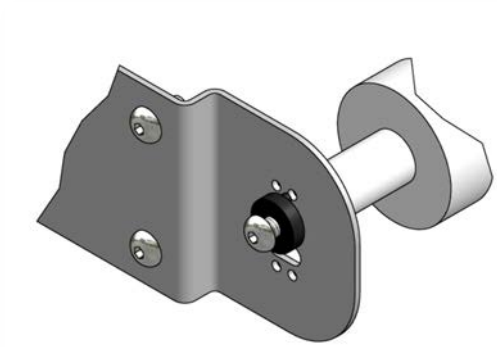
Note: If the ends overlap then remove the necessary number of links. "Punch" out a lacing rod (without a head on it) from the end.

4. Lace belting together using the provided rod making sure the head "snaps" into place



Adjusting the Belt Tension

1. Loosen the hardware that holds the idler shaft and adjustment spacer in position. Adjust one side at a time.



2. Line up adjustment space pins with holes in bracket. Tighten hardware and repeat for other side.

3. If additional belt tension is needed, remove a row of belting and slide adjustment spacer and idler shaft assembly to inner position