ASHWORTH ENGINEERING

Committed to on-time delivery of defect-free products and services, fit for use, exactly as promised, every time.

TECHNICAL BULLETIN

ASSEMBLY INSTRUCTIONS

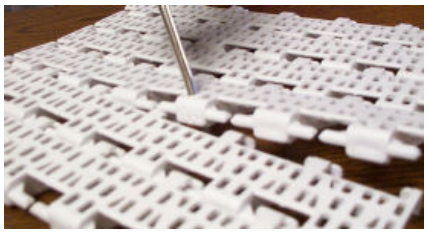
PRESTOFLEX®

Prestoflex plastic belting has a connectorless construction, made up of plastic modules, which snap or unsnap together for quick and uncomplicated repairs.

Caution: The temperature of the belt module should not be below 32 F (0° C) when installing or disconnecting.

To assemble belt you will need: A screwdriver or metal rod that will slip into the oval holes on the surface on the belt. This tool will only be used as a lever, to make assembly easier than with hands only. Make sure take up is in least extended position, to allow for belt elongation when tension is applied to conveyor.

Picture #1



INSTALLING BELT

1. By hand, insert and seat connecting pin on leading edge into rectangular opening of trailing edge.
2. Place screwdriver in opening as shown, press forward until connecting pin is bent down and slips into the rectangular opening of the trailing edge (see picture #1 & 2).
3. Place screwdriver in opening and slide module until connector pin can go no further into rectangular opening.
4. Position screwdriver in opening and press forward until connector pin is bent down and slips into rectangular opening in trailing edge.
5. Move across the belt, working screwdriver in the same sequence as in steps 3 and 4.

Picture #2

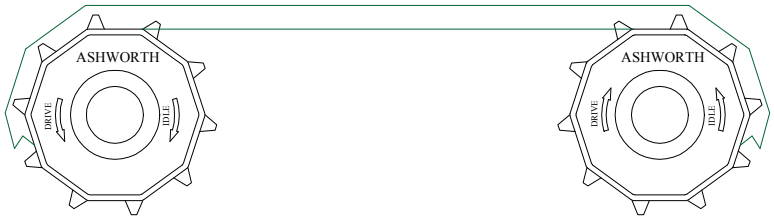
LOCATION OF DRIVE & IDLER SPROCKETS

Sprockets have a specific rotation direction, which is marked on the side of most sprockets. Drive sprockets must have the tooth located at the FORWARD end of the flat. Idler sprockets will have the tooth at the trailing end. This is important! (See illustration)

The calculated belt tension of your conveyor will determine the number of sprockets required.

If the belt tension does not exceed 120 lbs./foot of width, use 4-inch maximum sprocket spacing. From 120 to 240 lbs./foot of width belt tension, use 2-inch sprocket spacing.

Direction of Travel



Idle Position
Tooth to Rear on Flat

Drive Position
Tooth to Forward on Flat

Direction of Sprocket Rotation

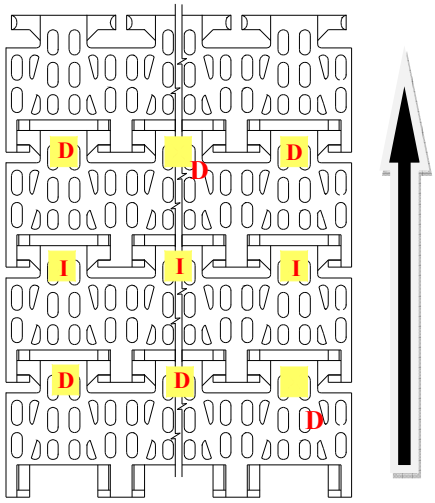
NOTE: Small diameter sprockets may induce belt vibrations. Use the largest practical size in your design to minimize the chordal action.

LOCATION OF DRIVE & IDLER SPROCKETS

Use a fully keyed shaft. Any plastic belt of more than a very modest width will expand and contract significantly with changes in temperature. Secure only the center sprocket(s) and allow the outer sprockets to move laterally on the shaft. Use shaft collars, or set screws if there is insufficient space. Recheck that the sprockets are assembled according to their function, drive or idler. Drive and idler sprockets use the same belt openings.

D **Drive Sprocket Locations.**

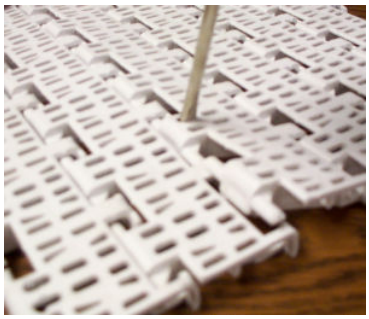
I **Idler sprockets are in the same opening, except they face in the opposite direction.**



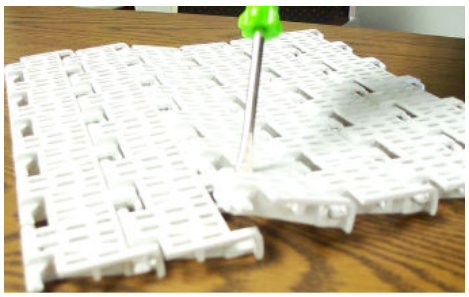
REMOVING A SECTION OF BELT

1. Place screwdriver in opening. Slide module until there is no further movement (see picture #3 & 4).
2. Press screwdriver forward, bend the connector pin up until it is just above the belt surface, then slide the module until there is no further movement.
3. Leaving screwdriver in place, pull it back lifting the connector pin above the belt surface, then slide the module.
4. Locate screwdriver in hole and slide module until there is no further movement.
5. Place screwdriver in next opening and pull it. When connector pin is lifted above belt surface move the module.
6. Move across the belt-working screwdriver in the same manner as steps 5 and 6.

Picture #3



Picture #4



FIRE WARNING *Safety Precautions for Plastic Belting*

Most plastic belting, including some Ashworth belts, contains thermoplastic components that can burn. If exposed to an open flame or to temperatures above stated specifications, belts may decompose and emit toxic fumes. Do not expose plastic belts to extreme temperatures or to an open flame. Additionally, these belts should not be used following any process, such as an oven, where products could be ignited before being placed on the belt. Refer to the appropriate MSDS (Material Safety Data Sheet) for other precautions and emergency response information.

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