FLAT WIRE BELTING

INSTALLATION AND MAINTENANCE

CAUTION:
Improper connecting procedures can cause premature failures, damage to the belt or conveyor, reduced performance and unnecessary down time.

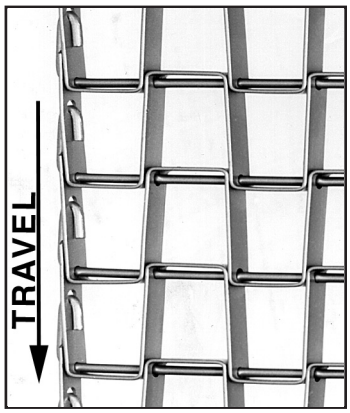
SAFETY WARNING:
Never attempt installation or maintenance on a moving conveyor belt. Conveyor must be "off" with the power source locked out. Always wear proper safety equipment when performing installation or maintenance. Keep clear of moving conveyor belt at all times.

BEFORE INSTALLING NEW BELT:
Thoroughly clean the entire conveyor and be sure that belt path is clear. Ensure conveyor has proper alignment for optimum belt performance and life. All end rolls, snub rolls and sprockets should be level and parallel.

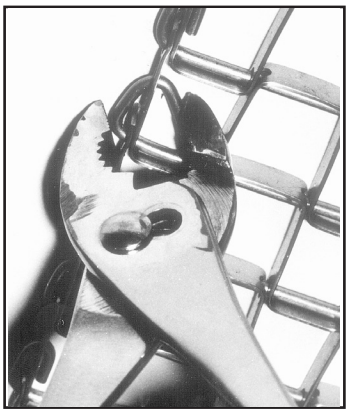
Clinched Edge Belting:

Tools Required: pliers, bolt cutters.

1. Line up mating belt sections and insert the unformed end of the formed connector rod (supplied with each belt) through adjoining holes in each section. Belt to be installed to move in the correct direction of travel as illustrated.



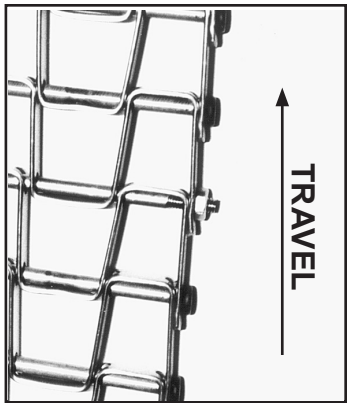
2. Clinch ends using pliers as shown.



Welded Edge Belting:

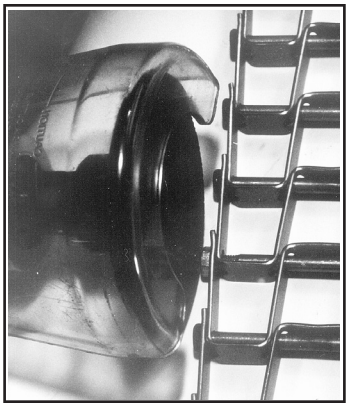
Tools Required: pliers, bolt cutters, grinder or file, welder, safety shield.

1. Line up mating belt sections, insert threaded connector rod (supplied with each belt) and attach nut. Insure that the nut does not protrude farther than the adjacent upset (button Head) welds.



2. Remove excess thread and deburr sharp protrusions.

3. Fix nut from rotating by applying a very light tack weld (or silver solder). Do not weld rod to belt wicket.



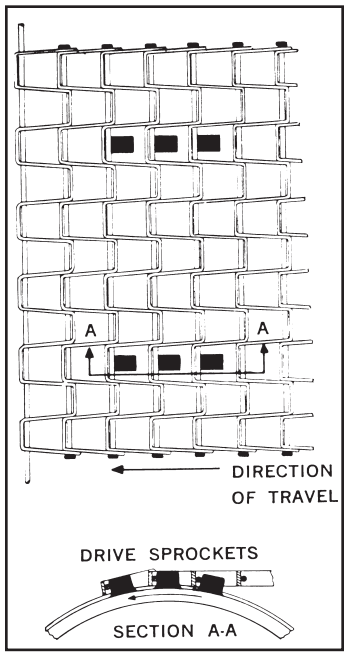
Sprocket Placement:

Drive Shaft Sprockets

a. Maximum 6" spacing (closer for many applications).

b. Outside sprockets are placed in the third wicket opening from the outside edge of the belt.

c. All drive sprocket teeth are to engage the rod (never the wicket) and should be keyed and set-screwed.



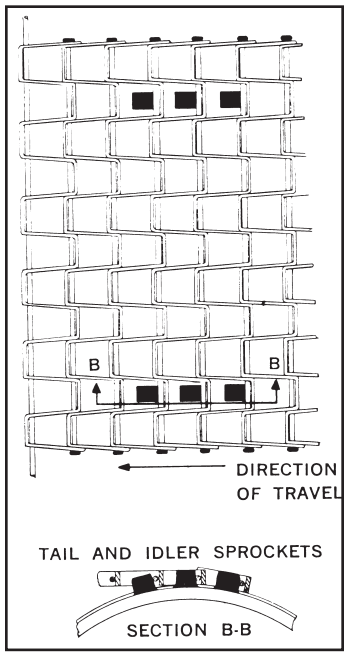
Tail Shaft Sprockets

a. Align outside belt edge with outside belt edge on the drive shaft.

b. Install key, set screw, and locking collars on ***one*** outside sprocket only.

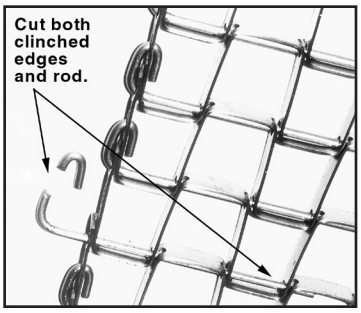
NOTE: Install outside tail sprockets in second opening from belt edge. Rod will engage trailing edge of tooth on all tail shaft sprockets.

c. Other tail sprockets should be installed without keys or set-screws. Collars should be placed on ***both sides*** of each sprocket 1/32" clearance between collar and sprocket hub.

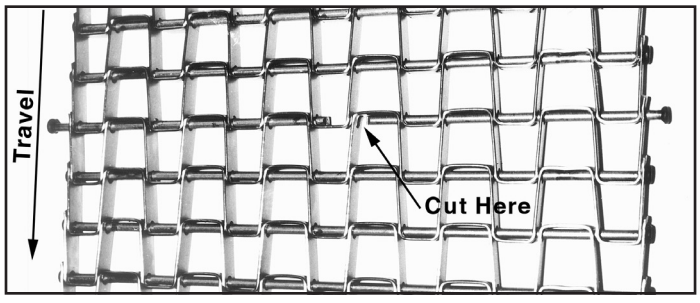


MAINTENANCE:

1. Periodically inspect belt for damage, excessive sag, or interference with the conveyor structure. Remove damage or excess belt as needed. Seperate belt as shown. NOTE: For welded edge belts with internal welds, every other rod is free of internal welds and is easily removed.



Clinched Edge Belt



Welded Edge Belt

2. Operation of the belt with severely worn sprockets may result in abnormal belt wear. Sprockets should be periodically checked and replaced when worn.

3. Belt life is directly related to system cleanliness and lubrication. It should be kept clean and free from foreign objects.

Cambridge International, Inc., P.O. Box 399, Cambridge, Maryland 21613 USA
Tel: 410-901-2660, Toll Free Tel: 877-815-3717, Fax: 410-901-2680
E-mail: sales@cambridge-intl.com, Web site: www.cambridge-intl.com