

EYE-LINK belting

INSTALLATION & MAINTENANCE

MAKING THE BELT ENDLESS

To install the Eye-Link belt, sections must be joined together, or spliced, thus making the belt endless. A properly spliced belt will have an even number of pitches.

For Eye-Link belts with bar link edges, connect a pitch with exterior bar links to one having interior bar links.

If the belt must be shortened, note that an even number of pitches must be removed.

CONNECTOR RODS FOR MAKING SPLICES AND REPAIRS

Rods are furnished with the belt, and have one end with the dome-shaped disk or washer welded into place. The other end is plain. Washers are furnished to the end after the splice is made. This is the most reliable method, to ensure that the rod does not lose the end connector.

When specified, rods can be supplied with the plain end threaded, and nuts furnished. After connecting and putting the nut on, the joint between nut and rod threads should be deformed by peening or striking with center punch in the joint line in several places, so that the nut will not come off. If possible, at a later date, secure with a weld. **CAUTION: Always position the repair washers or nut in line with the other washers so as to allow the belt to hinge properly. If the width is narrowed and pinches, "tenting" may occur.**

REPLACING OF DAMAGED MODULE

To separate the belt sections for removal or repair, simply grind off the welded washers and remove rods as needed.

Support the belt with a board or by other means so that modules and bar links are not lost when the rods are removed. If you are working at the conveyor, clamp the belt on both sides of the damage to prevent it pulling apart, and slacken the belt with the take-up control. At the cross rods before and after the damage, grind or file the rod ends with the welded washer, remove the washer, pull out rods from the other side and replace the damaged modules with the repair modules. Reinsert the rods and weld new washers in place on the rod ends.

CONVEYOR ALIGNMENT

"As the conveyor frame goes, so goes the belt." To ensure that the belt runs straight, the longitudinal supports must be laid in with precision. To drive, idler and any support rolls must be level, square to the centerline, and parallel. **The grooves in the drive sprockets and rollers have no guiding function whatsoever.** It is also improper to change the belt's path by manipulating side guiders. If the belt is rubbing against the side wear strips, the conveyor rolls and supports should be checked for alignment.