

ARMORBELT INTALLATION

Instructions for moving take up cams

Introduction

The addition of cams at both ends of an Armorbelt unit is a feature which improves its operation. The advantages gained are:

1. Reduction of chordal rise and fall at the end of the conveyor so the belt remains flat almost to the very end of the conveyor.
2. Reduction of the noise caused by the impact of the sprockets engaging the connectors, permitting satisfactory operation at high speeds.
3. Reduction of chordal action on belt speed, permitting smoother belt action.

The cams at the drive end are in a fixed location. However, at the take up and where the sprockets are not in a fixed location, the cams are connected to the shaft and sprocket assembly. This permits the cams to move with the sprockets and maintains an exact relationship between the cams and the path of the belt.

Instructions

Instructions for Armorbelt Belt Assembly should be modified by substituting the following items for paragraphs 12 and 13.

- 12A. Loosen both cam lock bolts 1 about 1/4".
- 12B. Loosen the take up screws 2 until the ends of the screws are within 1" of nuts 3. Push the take up assembly toward the drive end of the conveyor. Then proceed to make the final belt connection at the take-up end as explained in paragraph 12 and diagrams 12 and 13.
- 13A. After the belt has been installed, tighten the take up screws 2 until springs 4 are nearly closed.
- 13B. Tighten the cam bolts 1.

