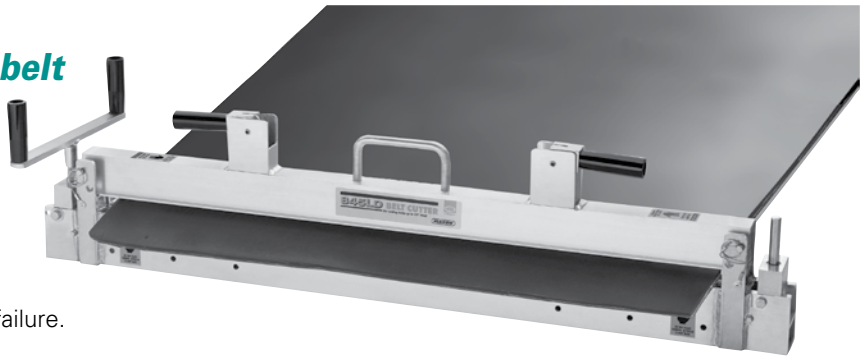
inSIGHTS™
Belt Conveyor Maintenance
TECHNICAL SOLUTIONS FOR BELT CONVEYOR PRODUCTIVITY

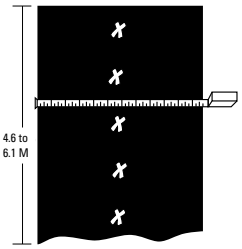
Benefits of a properly squared belt



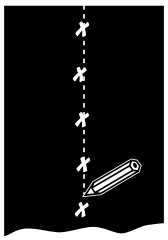
Squaring your belt ends is a job that requires only a few minutes of your time, but offers real paybacks in extending your belt splice life. A splice that is applied on a properly squared belt will have tension evenly distributed across the splice and will track properly. Improper squaring of a belt can lead to belts mistracking and splices catching on conveyor components, causing early failure.

How to square a belt using the centerline method

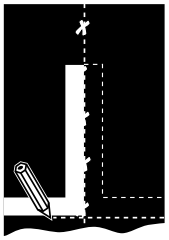
Step 1
Prior to any work on your conveyors, make certain that the power has been turned off and the belt is "locked out." Follow other safety precautions outlined in the operator's manual.



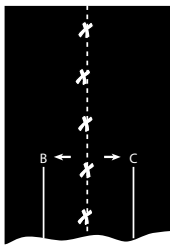
Step 2
Mark the actual center points in belt width at intervals of 0.9 to 1.5 meters (3 to 5 feet), for a distance back from the intended splice area of 4.6 to 6.1 meters (15 to 20 feet).



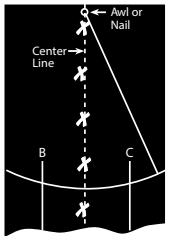
Step 3
Using either a steel rule or a chalk line, mark the average center line through the points measured from Step 2.



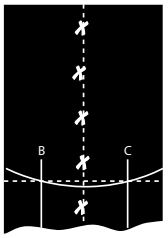
Step 4
Using a square, draw a line perpendicular to your average center line across the belt width.



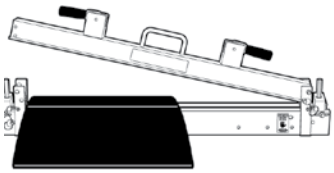
Step 5
For even greater accuracy in preparing your squaring line and with belts with worn edges, after completion of Step 3, mark two lines (B&C) equal distance from the center line in the area where you are going to install the splice, running parallel to the center line.



Step 6
Measure back from the intended splice area a distance equal to approximately three times the belt width and drive a nail or awl at this point on the center line. Using the nail or awl as a pivot point, swing an arc, marking the belt across the full width.



Step 7
Where this arc intersects the two smaller lines marked parallel to the average belt center, align a steel rule through these points. The resulting line is the true square.



Step 8
Mark this line and cut your belt at this line using the 845 Belt Cutter.

INSIGHTS™

A Safer Way to Cut a Belt

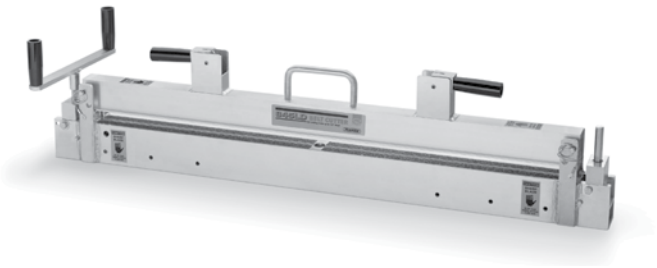
Safety Features of the 845LD Belt Cutter

The 845LD Belt Cutter delivers straighter, faster cuts with unsurpassed safety on belts up to 13 mm (½") thick. Without the use of the 845LD to safely cut the belt, many users unfortunately resort to a utility knife and belt square. This unsafe procedure often results in injury, with the cost quickly exceeding that of a cutter. By investing the money in the 845LD cutter you cannot only ensure a safe procedure, but also an accurate cut.

Designed to enhance operator safety, these portable cutters clamp belts securely to make straighter cuts, time after time.

Safety Features:

- Blade is fully enclosed during cutting operations.
- Special flat-top blade design for added operator safety.
- Location to safely store the blade when the cutter is not in use.
- Upper beam can be fully removed or pinned into the open position for safe placement on conveyor systems.



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