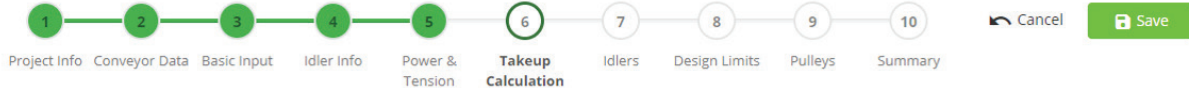


PPI's Precision Conveyor Design is a web based application for conveyor horsepower calculation, selection of pulleys and idlers, and selection of take-up travel length for fixed take-up conveyors up to 1,000 feet long using our Stretch-Rite calculations. Its use is limited to non-regenerative conveyors that don't exceed 2,000 feet in length and fabric belts with ratings that don't exceed 1,000 PIW.

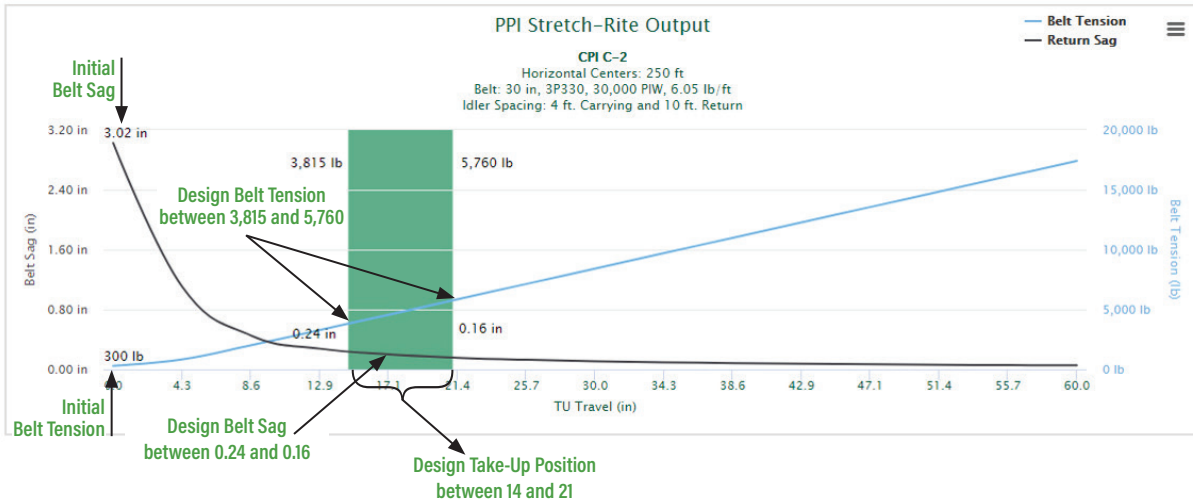
We recommend using it on Google Chrome but it is capable of running on other browsers including Microsoft Edge, Microsoft Internet Explorer (version 11 and higher), Mozilla Firefox, Opera, and Apple Safari. If you have previously registered for the current Precision Conveyor Design, your existing login credentials will also provide you access to the new program without having to go through the registration process again.

## FEATURES AND BENEFITS

- Ability to analyze belts up to 2,000 feet in length
- Designed for belts up to 1,000 PIW
- Necessary pulleys and idlers are calculated and totaled to make ordering easier



Required Takeup Travel	60 in	Belt Specification	3P330
Initial Belt Tension	300 lb	Belt Weight	6.05 lb/ft
Initial Return Belt Sag	3.02 in	Belt Modulus	30000 piw



PPI's Stretch-Rite is a two-part program that allows customers to use a simpler manual take-up frame on long conveyors that have historically used more complicated automatic take-up systems. The program consists of the Stretch-Rite belt calculations in PPI's Precision Conveyor Design and the optional 120" extended take-up. The Stretch-Rite calculations in the Precision Conveyor Design provide guidance in selecting appropriate travel length and initial belt splicing conditions. When those calculations indicate that take-up frames longer than commonly available frames are needed, the extended take-ups provide a manual take-up system with 120" of travel.

### FEATURES AND BENEFITS

- Lower cost than gravity or hydraulic take-up systems
- Less complicated than automatic take-up systems
- Less space required than gravity take-up systems
- Provides a better understanding of the belt tension and stretch than the standard CEMA equations
- Increased safety over a gravity take-up as there are no heavy counter weights to handle



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