

Cable Conveyor Tensioning Options

Pneumatic Tensioning Device

Pneumatic tensioning used for managing cable tension is essential to the overall function, dependability, longevity, and power of Cablevey's tubular cable and disc drag conveyor.

If tension setting is too low, the cable can become disengaged from the sprocket causing a malfunction in the system. If cable tension becomes too high, excess friction can cause greater wear, energy usage and other problems with your system.



5 Reasons to Use a Pneumatic Tensioning Device

Cablevey Conveyors has improved methods for managing cable tension. Improvements make it easier to control tension more accurately. This is accomplished by replacing the stainless steel springs with a pneumatic cylinder that has improved the same, accurate cable tension over its entire range of travel. Other advantages of a pneumatic tensioning device include:

Automatic Settings

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A low tension sensor alerts you visually if the cable tension is too loose and triggers an automatic shutdown of the system.

Adjustable

Allows operator to control pressure at the machine, and adjust it for different materials, in real time. For sanitation issues, more tension can be applied to run cleaning operations.

Easy To use

The operator is able to set tension simply by turning a knob while looking at the pressure gauge. There is less complexity to controlling the tension. The piston can be operator-installed.

Less Maintenance

With the ability to control cable tension, more accurately and specifically, cable life will increase while maintenance decreases.

Constant Tension

A pneumatic piston provides constant tension over the full range of travel.

Specifications

Dimensions
4" X 4" X 24"

Weight
15 pounds

Power Required
Compressed Air

Air Required
< 1 cfm

Range of Force Output
0 – 300 lb.

*specifications can change without notice.



Frequently Asked Questions

Do pneumatic tensioning devices fit all sizes of tubular conveyors?
Pneumatic tensioning devices are available for our mini 4" (100mm), 4" (100mm), and 6" (150mm) conveying systems.

Are there any technical requirements necessary to pneumatic tensioning device installation?

The only requirement is availability of an air compressor.

How much compressor airflow capacity does a pneumatic tensioning device require?
A minimal amount of airflow is required to serve as a holding force.



The Gentle Way to Convey®

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