

How to measure PTFE Coated Fiberglass Belts

There are three ways to quickly and effectively measure the length of the belt you need. It is important to get it right, since these belts are custom made and often times can not be lengthened. They can sometimes be shortened, but that's an expensive proposition that can be avoided if a little time and the proper technique is applied when taking measurements.

Option I:

The simplest way to measure a belt is to take the old one off of the machine, lay it on the floor and measure away! Of course, this is seldom an option, as a machine needs to run in order to make money for the company. In addition, you may want to think twice about removing a belt that is operating, since putting it back on and getting it to track correctly can be difficult.

If it's running and you need it to continue to produce, go to Option II.

Option II:

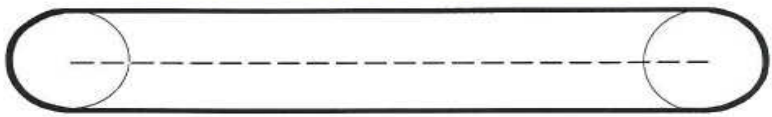
Another very easy way to measure your belt is to simply take a non-stretching material (a good quality wire rope, string, metal tape etc...) and simply loop it around the belt or, in the case of a mesh belt, tie it off and make one revolution. Then measure the string and voila', you've got your belt length.

IMPORTANT: Take note of your pulley locations. Be certain to consider the location of your take-up pulleys in order to allow for future adjustment, tracking and stretching of any belts. Estimate centering of these pulleys to allow for adjustment.

Option III:

This third option is pretty straight forward when you break it down. Use the example below to learn how to quickly and accurately measure your belt or to determine what belt length you'll need if designing a new conveyor dryer, shrink tunnel or packaging line. Of course, as always, give us a call and we'll gladly help out!

How to measure a belt:



6 in. pulley Distance between pulleys = 10 ft. center to center (120 inches) 6 in. pulley

1. Measure the distance between the pulleys center to center in inches. (120 inches)
2. Multiply that distance x 2 (120 inches x 2 = 240 inches)
3. Measure the diameter of the pulleys (in this example both are 6 inches)
4. Multiply the pulley diameters x 3.1416, then divide by 2. (18.8496 ÷ 2 = 9.4248)
5. Add all four numbers together to get the net endless length of the belt:

<i>NOTE: Make sure that take up is centered so that the belt can be tightened or loosened. (a minimum pulley diameter of at least 4" is recommended)</i>	120.
	120.
	9.4248
	+ 9.4248
	258.8496 inches net endless length

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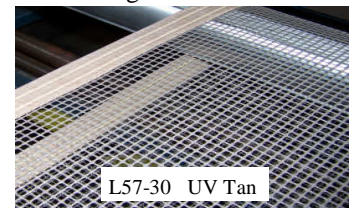
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