

# PTFE Coated Fiberglass Belts

## Driving

W.F. Lake Corp. PTFE coated belts can usually be driven by flat metal pulleys. When driving large belts, it may be necessary to lag the drive roller with 30-40 durometer rubber. There are also lagging tapes readily available for a quick fix. All pulleys should be flat faced, tensions kept to a minimum and should remain constant to maintain consistent tracking and driving. Depending on the belt, a spring loaded idler, cantilevered idler or hydraulic or pneumatic tension devices will work. Any pulley with greater than a 90 deg. wrap should comply with the following suggested minimum pulley diameters.

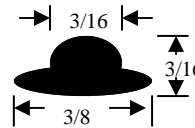
### Suggested Minimum Pulley Diameters

Belt Thickness	Belt Width			
	1/4" to 11"	12" to 29"	30" to 59"	60" +
0.003" to 0.010"	3"	6"	8"	10"
0.011" to 0.019"	6"	6"	8"	10"
0.020" to 0.025"	8"	8"	8"	10"
0.026" to 0.050"	10"	10"	10"	10"

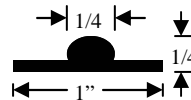
## Tracking

W.F. Lake Corp. PTFE coated belts can be tracked in a number of ways. Satisfactory performance begins with proper startup procedures (available from W.F. Lake Corp). **Although many belts run slowly and without anything more than an adjustable head or tail pulley, larger belts operate best with automatic guiding systems.** In some cases (solid woven PTFE coated fiberglass) smaller belts work well with mechanical systems such as metal "pins" or "snaps", extruded silicone edge guides or grommets fastened to drive mechanisms with springs or clips.

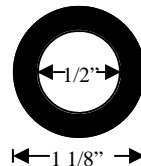
"Pins" or "snaps" are metal "dot" fasteners inserted in one or both edges of a belt. They are designed to run in a grooved pulley. They are designed for tracking only and can not be used to drive a belt.



Our **Extruded Silicone Edge Guide** is designed to replace metal pins or snaps. These high temperature guides reduce pulley wear, gliding easily through pulley grooves.



**Grommets** are intended only for attaching a belt to a drive via springs or clips. They are designed for tracking only and can not be used to drive a belt. They are the least used method of tracking, accounting for less than 1% of belt tracking methods.



Other sizes upon request.

W.F. Lake Corp.  
P.O. Box 4214  
65 Park Road  
Glens Falls, NY 12804  
Customer Service: (800) 428-1162  
Tel: (518) 798-9934  
Fax: (518) 798-9936

www.wflake.com



Operating Temps to 550 deg. F

## Applications:

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# W.F. LAKE

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S-2 Glass Sewing Thread (1400 deg. F)  
Kevlar\* Sewing Thread  
Quartz Sewing Threads (2000 deg F !!!)*

W.F. LAKE CORP., 65 Park Road, Glens Falls, NY 12804  
Tel: (518) 798-9934 . Tel: (800) 428-1162. Fax: (518) 798-9936. E-mail: info@wflake.com  
[www.wflake.com](http://www.wflake.com)



*High Performance PTFE & Silicone Coated Products*