

Poly-DRUM or...

the importance of the friction coefficient!

The friction coefficient of the drive barrel, the wrap angle and the pre-tensioning all determine the transmission of tangential force.

The dimensions of the barrel, the pre-tensioning and diverse other equipment depend primarily on the friction coefficient.

In practice, the friction coefficient fluctuates widely and depends on:

- Type and surface texture of the barrel
- Lubricants between the belt and the barrel such as water and grease
- Temperature
- Bearing pressure
- Slip velocity and sliding speed

Poly-DRUM demonstrates its strength in these areas, even with remarkably low band tension.

