



DOUBLE E
G R O U P

DIFFERENTIAL AIR SHAFT

Wobble Free, Dustless, Secure!

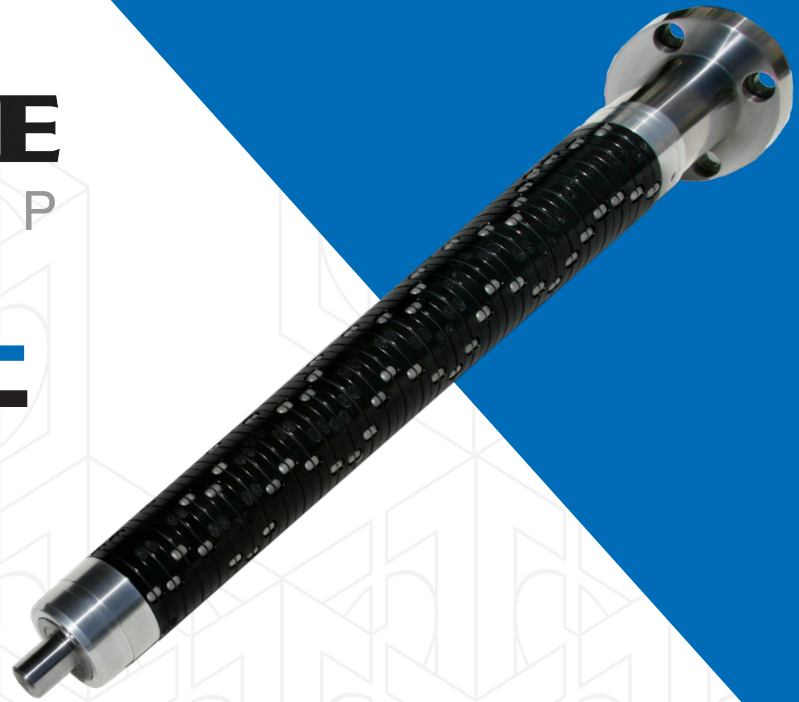
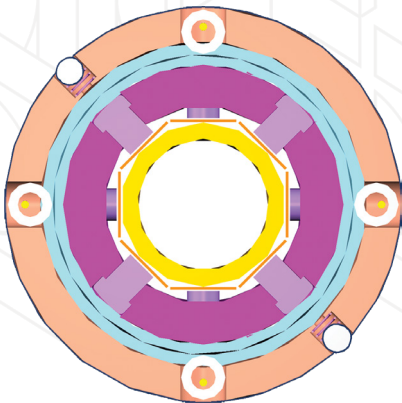
MAINTAIN EQUAL TENSION

With our **Differential Air Shaft**, multiple rolls can be run on a single shaft while maintaining equal tension on all rolls.

The internal differential slip allows for running rolls with a wide range of core sizes and types without using cones, core stops, or spacers. And won't have any "wobble" or side to side movement. Our Differential Air Shaft is easy, safe, reliable and efficient to use.

When the shaft begins to rotate, the rollers under each core lock independently and apply tension to each individual core. As the material is wound onto the cores, the roll locks self-adjust to ensure the correct tension.

The slide bearings on each roll lock allow cores to slide on and off the shaft quickly and easily. Heavy, finished rolls slide effortlessly off the shaft and decrease load time.



PATENTED ROLL LOCKS

The Differential Air Shaft has patented roll locks that automatically engage to equalize tension on multiple width cores that can be placed anywhere on the shaft.

It features a bi-directional, internal cam mechanism that engages based on the location of each core on the shaft.

When the shaft begins to rotate, the rollers under each core engage independently and apply tension to each individual core. The engaged ring prevents the core from wobbling or shifting side to side. As the material is wound onto the cores, the roll locks slip independently to ensure the correct tension.

The slide bearings on each roll lock allow cores to slide on and off the shaft quickly and easily. Heavy, finished rolls slide effortlessly off the shaft and decrease load time.

SCAN ME!



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FEATURES

- Face lengths up to 100"
- 70mm - 10" Diameter
- Wind multiple cores tensions from under 0.15 PLI
- Slits from 1/2" wide and up
- No cones, core stops, or spacers

CUSTOMIZATION

Our differential is custom designed to fit your specifications. We ask that you specify whether you need a quote for the double journal, cantilevered or flanged version so that we can ensure your differential shaft fits your needs and specifications.

As with all of our shafts, we guarantee that your Differential Air Shaft will be designed and manufactured to the same tolerances as all of our industry's leading shafts.

AIR ROLL LOCK

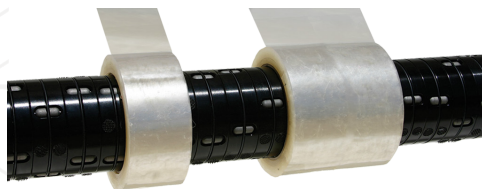
Run Multiple Width Rolls on a Single Shaft With Equal Tension!

1 Easy To Load



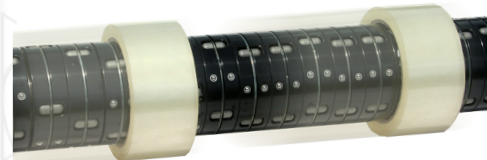
Multiple width cores slide easily onto the shaft and can be positioned anywhere along the shaft. The internal clutching mechanism actuates based on the location of each core on the shaft.

2 Easy To Wind



The patented roll locks automatically lock to equalize tension on multiple width cores. The roll lock's internal clutching mechanism prevents core dusting, wobble, and side-to-side movements.

3 Easy To Unload



Slide bearings on each roller allow cores to slide on and off the shaft easily and quickly. Finished rolls slide effortlessly off the shaft, leaving it ready to re-load with new cores, decreasing load time.