



DIFFERENTIAL AIR SHAFT

With our Differential Air Shaft, you are able to run multiple rolls 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. It also will not have any "wobble" or side to side movement. Our Differential Air Shaft is easy, safe, reliable and efficient to use.

Features:

With easily controlled tensions from under 0.15 PLI, it is able to wind multiple cores down to ½" width. It can also have face lengths up to 100" in 70mm – 10" Diameter.

The Differential Air Shaft also has patented GlideLock™ Clutched Rollers that auto-lock to equalize tension on multiple width cores that can be placed anywhere on the shaft. It features a bi-directional, internal clutching mechanism which actuates based on the location of each core on the shaft. 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 GlideLock™ Clutched Rollers self-adjust to ensure the correct tension. And slide bearings on each GlideLock™ Clutched Roller allow cores to slide on and off the shaft quickly and easily. Heavy, finished rolls slide effortlessly off the shaft and decrease load time.

Customization:

Our differential is custom designed to fit your specifications. When placing an order for the Differential Air Shaft, we ask that you specify whether you need a quote for the double journal, cantilevered or flanged version so that we can make sure your differential shaft fit 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.

Availability:

These shafts are typically available 4-5 weeks after ordering. Please contact our office for a more specific lead time.

SPECIFICATIONS

ORDERING INFORMATION

- Tensions from under .15 PLI
- Available from 70MM to 10" diameter
- Face lengths to 150"
- Slits from ½" wide and up

SPECIFICATIONS

ORDERING INFORMATION

Full Quote

