



DOUBLE E
G R O U P



ENGINEERED NARROW WEB SOLUTIONS



Precision Narrow Web Solutions. Engineered by Double E Group.

For decades, converters have relied on Double E Group companies to solve the industry's most demanding web handling challenges. Today, that expertise comes together in a comprehensive portfolio of narrow web solutions engineered to improve productivity, increase uptime and deliver reliable performance in even the most demanding converting environments.

From precision air shafts and differential shafts to mechanical shafts and chucks, shaft adapters and specialized winding solutions, Double E Group combines proven engineering with application expertise to help customers maximize efficiency, maintain web control and keep production running. Whether your operation is building new equipment or upgrading existing lines, our team delivers solutions designed around your process—not the other way around.



SCAN ME!



ee-co.com

Air and Mechanical Core Shafts

Continuous Lug Shaft



Our Continuous Lug Shaft is our most versatile and economical shaft type. It has multiple bladders to provide excellent grip at any diameter. This shaft also features our GripLock™ lug design that will not damage cores.

Leaf Shaft



The Double E Group Leaf Air Shafts are recommended for use with thin walled cores and are well suited for thin wall or narrow cores. They can be used with thin-walled paper, steel, plastic, or fiber cores.

Double E Group's Leaf Shafts are less expensive and lighter than our competitors' leaf shafts.

Small Diameter Shaft



Our lug style Small Diameter Shafts have multiple lugs that expand equally inside the core. Our leaf style Small Diameter Shafts feature the advanced integration of high-quality materials. The anodized aluminum leaves expand uniformly along the entire length of the shaft. Both styles are specifically designed for a precise grip when winding and unwinding.

Concentric Shaft



The Double E Group Concentric Shaft is available in many variations. Some are simple air shafts with larger body diameters or ledges to help hold the core more centered (concentric) on the shaft.

Others are air-mechanical where a piston pushed mechanical expanders that center the roll. Yet others are fully mechanical and can be used in vacuum environments.

Through Shaft



Double E Group Through Shafts are uniquely suited for wide web core applications and is compatible with all chuck diameters and shaft adapters. These shafts provide a lightweight alternative to a bulky and heavy shaft that runs larger diameter cores.

Lateral Motion Shaft



Our Lateral Motion Shafts are perfect for on-the-fly adjustments. Lateral adjustments can be made while the machine is running. The Lateral Motion Shaft is an economical alternative to more expensive web guide systems. They are the perfect shafts for printing presses, inspection machines, laminating stations, portable unwinds, and collators that support light loads and utilize webs of 30" and under.

Trapper Leaf Shaft



Double E Group's Trapper Leaf Shafts are made specifically for coreless winding. Unlike our standard Leaf Shafts where the shaft is inserted into the core and inflates for firm grip, the Trapper Leaf has a fixed leaf that clamps the material when inflated and winds the material without a core.

Mechanical Shaft



The Double E Group Mechanical Core Shaft is a narrow web shaft that expands mechanically with a continuous lug or leaf. These custom-made mechanical shafts expand concentrically with a wrench or knob and are available in several designs and mounting styles including double journal, cantilevered, and flanged. These shafts are suitable for high speed and high torque applications and are easy to repair.

Differential 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 will not have any "wobble" or side to side movement. Our Differential Air Shaft is easy, safe, reliable and efficient to use.

The Differential Air Shaft has patented GlideLock™ Clutched Rollers that auto-lock to equalize tension on multiple width cores that can be placed anywhere on the shaft.

1 Easy To Load

GLIDELOCK



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

GLIDELOCK



Patented GlideLock™ Clutched Rollers auto lock to equalize tension on multiple width cores. The GlideLock™ internal clutching mechanism prevents core dusting, wobble, and side-to-side movements.

3 Easy To Unload

GLIDELOCK



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.

Chucks and Adapters

CC-3000 Chuck Adapters

Double E Group's CC-3000 is an inexpensive way to adapt a standard air shaft to hold a larger diameter core. These pneumatically activated chuck adapters are made with heavy-duty materials which gives the chuck adapters superior performance in rewind and unwind applications. They are best suited for operations using rolls with metal, fiber, or cardboard cores.

Mechanical Chucks

The Double E Group Mechanical Core Chuck's precision-machined alloy steel components make it exceptionally rugged and durable. It provides the best torque capacity for braked unwinds.

Shaft Adapters

Double E Group's Shaft Adapters are used to create a "system approach" when combined with any shaft or chuck. They are a flexible and inexpensive alternative to multiple sizes of expanding shafts. They are perfect for large core diameters as they create a lighter weight shaft. Our shaft adapters reduce roll change times and handle very high web speeds, weights and torque levels.

Accessories

Rotary Unions

Double E Group's Rotary Unions are an easy way to allow a constant air flow into a spinning shaft. The Rotary Unions are available with 1/8" or 3/8" – 24 NPT output and 1/8" NPT input.

Inflation Tools

The inflation tools have the option to come with an inflation gauge to tell you the shaft's pressure but are available without the gauge. There are two types of valves available, tank and cup valve and two styles available, lever activated and push activated.

