



***INNOVATIVE
SOLUTIONS
FOR THE TISSUE MARKET***

***Core Plugs
Reel Spools
Knife Systems
Composite Cores
Core Shafts
Rollers***



DOUBLE E COMPANY, LLC

Excellence in Engineering

www.doubleeusa.com

Knife Holders and Slitting Systems



Highest quality of cut, longer blade life, minimized dust

Knife Positioning Systems

Manual to fully automatic operation.

Knife Holders

Patented mono-block design ensures rigidity of system; reduces vibration at high speeds.

Design maintains the convenience of a flexible-head design without the drawback of excess blade tilt against the anvil.

Easy blade replacement and longer blade life.

Low-Inertia Carbon Fiber Rollers



Rollers spin at web speed to reduce dragging and web breaks.

Less vibration;
longer bearing life;
less energy consumption.

High Strength Composite Parent Roll Cores



High crush strength ensures integrity of core shape and size.

Abuse and knife resistant.

Handles large & heavy rolls.

Ideal for most tissue plants winding with shafts as they can be reused indefinitely.

Plants running non-expanding spools should consider the overall cost savings of using RS shafts and composite cores in place of traditional spools.

Core Shafts



Double E offers a complete line of carbon fiber and metal core shafts as well as all types of core chucks. Wide web, small diameter carbon fiber mandrels for the rewind side of the tissue converging machine also available.

 **Re
Brakes**

**Web Guides
Tension Control**
available from Double E

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Technical Solutions

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REEL SPOOLS



DOUBLE E

RSM-2000

Double E has revolutionized reel spool technology to allow faster machine speeds & heavier roll weights.

RSM-2000

FEATURES	BENEFITS
<ul style="list-style-type: none">• Carbon fiber housing• Pneumatic / mechanical operation• Fail-safe design	<ul style="list-style-type: none">• Higher critical speeds for increased throughput (without changing to a larger core diameter).• Load capacity is equal or greater than steel; wind larger rolls without increasing hoisting requirements.• Positive grip force yields true concentric expansion; vibration is minimized.• Spring activation / air retraction guarantees roll security and easy, convenient operation.• Independent lug action accommodates variations in core ID.

RSS-2000

RSS-2000

FEATURES	BENEFITS
<ul style="list-style-type: none">• Carbon fiber housing• Air expansion• Through axle• Protective U.H.M.W. strips• Fail-safe design	<ul style="list-style-type: none">• Quick roll changes without tools.• Easily replaces existing reel spools (often utilizing existing machine and/or shaft components).• Increase critical speeds and run heavier rolls without increasing core diameter.• Load capacity is equal or greater than steel; wind larger rolls without increasing hoisting requirements.• Easy, quick, and inexpensive to replace bladders and/or protective strips.• Convenient air operation – one valve supplies all bladders, but bladders react individually to guarantee roll security.• Reduced deflection and minimized vibration.

Traditional metal expanding strip and non-expanding models also available.

CP-1000

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Patented one-piece design • Heat-treated steel body • Carbon fiber carrier beam • U.H.M.W. polymer journal 	<ul style="list-style-type: none"> • Easy handling, single-step insertion. • Lighter than most existing plugs. • Durable, high-strength solution. • Least expensive Double E core plug.

CP-2000

FEATURES	BENEFITS
<ul style="list-style-type: none"> • One-piece ultra-lightweight design • Cast nylon outer body • Carbon fiber carrier beam • U.H.M.W. polymer journal 	<ul style="list-style-type: none"> • Extremely light in weight for easy lifting and handling. • Single-step insertion. • Advanced materials offer drastic weight reduction while maintaining high strength and durability.

MCP-2000

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Patented two-piece design • Expanding cage • Carbon fiber based activating shaft • U.H.M.W. polymer ribs 	<ul style="list-style-type: none"> • Grips cores to keep plug centered and to accommodate for variations in core ID. • Activating shaft can be used with various cage sizes to save money when running multiple core sizes. • Lightweight, strong, and durable.



WEIGHTS <i>(approximate)</i> lbs (kilos)		8-inch	10-inch	12-inch	14-inch	16-inch
	CP-1000		37 [17]	41 [18.6]	46 [20.9]	51 [23.2]
CP-2000		29 [13.2]	30 [13.6]	33 [15.0]	38 [17.2]	45 [20.4]
MCP-2000		N/A	30 [13.6]	30 [13.6]	35 [15.7]	40 [18.2]
MCP-2000 activating shafts weigh 20 – 23 lbs. [9.1 – 10.4 Kg]						

FCP-1000



- Special plugs that are mounted on a shaft.
 - Internal bearings allow rotation on shaft.
- Quick-release clamp enables a single operator to change rolls.
- One assembly is permanently affixed to the shaft and the other is removed to change rolls.

- Special pre-insert system for 3-inch cores and larger.
- In 3-inch applications, a carbon fiber support shaft prevents thin-walled cores from being crushed by the side force of the machine.
- For larger cores, adapters slip over the base core plug, replacing heavyweight equivalents already in use.

Additional and custom sizes also available.

