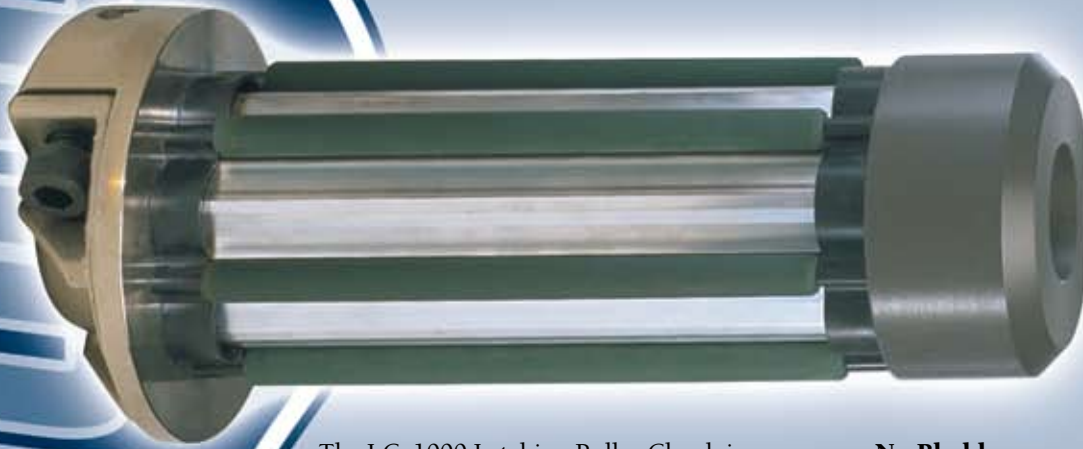


# LATCHING ROLLER CHUCK



**Quick,  
easy roll  
changes  
without  
air, keys,  
or tools**

The LC-1000 Latching Roller Chuck is a core locking device that is useful in the unwind or rewind position in many applications, including:

- **Form, Fill, & Seal Packaging**
- **Window Patching Envelopes**
- **Pharmaceutical Packaging**
- **Food Packaging**
- **Tag, Tape, or Label Processing**
- **Film & Foil Laminating**
- **Coating**

After the roll of material (or empty core when rewinding) is placed on the chuck, a slight rotation locks the core in place. The chuck's patented design forces the rollers to continually grip the core in response to the torque being transmitted – more torque means higher grip force. The chuck functions the same way in both directions so the web can be pulled either way without changing the chuck's position. A simple turn of the roll in the non-web direction unlatches the chuck for easy removal of the core (or completed roll when rewinding).

#### **No Bladder**

The LC-1000 does not depend on a bladder to force the gripping elements to grip the core. Bladders are often maintenance intensive, and don't have the ability to provide true concentric expansion. Without a bladder, the potential for operator error is drastically reduced, and the process of roll changing is simplified.

#### **No Maintenance**

With a small number of moving parts, the chuck requires little, if any, maintenance.

#### **No Jamming**

Unlike the knock-in cones or wedges that the LC-1000 often replaces, this chuck is virtually impossible to get stuck in a core.

#### **No Alignment Problems**

The chuck holds the roll in exact position, which is critical when precise web alignment is necessary. Waste is dramatically reduced, productivity is increased, and both time and money are saved.

**Quick & easy roll  
changeover without tools.**

**Works in either direction.**

**Eliminates unfriendly  
and unsafe knock-in cones.**

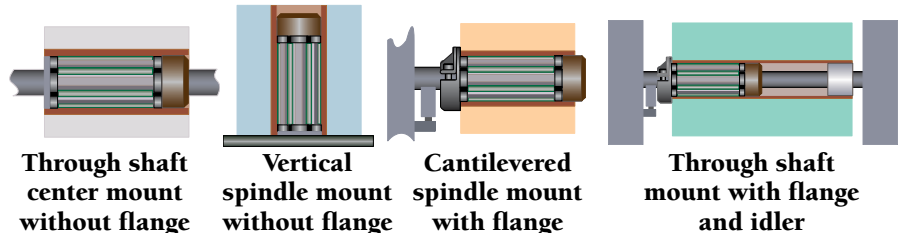
**Stopping flange ensures  
accurate web alignment.**

**Simple clamping collar  
allows easy installation  
and repositioning.**

**Durable urethane rollers  
provide no-slip grip  
on any core material  
without core damage.**

**Always releases – will not  
jam in core.**

## **POSSIBLE MOUNTING CONFIGURATIONS**



**Through shaft  
center mount  
without flange**

**Vertical  
spindle mount  
without flange**

**Cantilevered  
spindle mount  
with flange**

**Through shaft  
mount with flange  
and idler**



**DOUBLE E COMPANY, LLC**

*Excellence in Engineering*

# LC-1000 PRODUCT SPECIFICATIONS

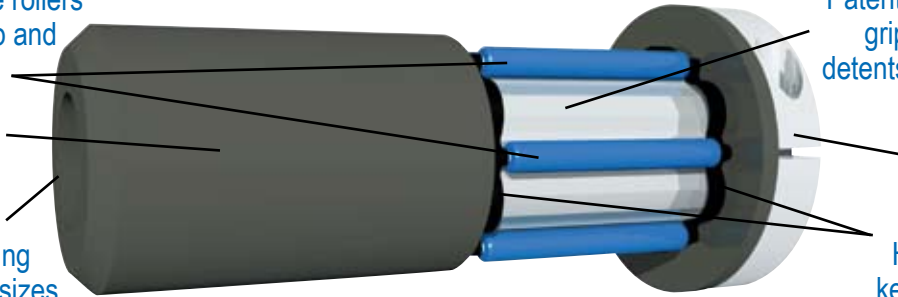
ACTUAL CORE I.D. in. (mm)	COLLAPSED DIAMETER in. (mm)	LATCHED DIAMETER in. (mm)	MAX ROLL WEIGHT lb. (kg)	MAX TORQUE PER CHUCK in.-lb. (NM)	EST. CHUCK WEIGHT w/ MAX BORE lb. (kg)
3.015 (76.6) MIN. 3.040 (77.2) MAX.	3.00 (76.2)	3.05 (77.5)	400 (181)	600 (68)	short w/ flange – 4 (1.8) long w/ flange – 4.5 (2) short w/o flange – 3.5 (1.5) long w/o flange – 4 (1.8)

Please note that the LC-1000 can be made in virtually any size – ask for more details.

Reinforced urethane rollers provide superior grip and excellent durability.

Close tolerance fit, anodized aluminum end cap.

Custom manufacturing allows various bore sizes.



Patented hex forces rollers to grip cores concentrically – detents cause latching action.

Split flange for more holding power and easy attachment.

Heavy-duty roller cages keep rollers in alignment.

## LC-1000 CUSTOMER SPECIFICATIONS

### CUSTOMER INFORMATION

Company Name: \_\_\_\_\_

Individual Contact: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Country: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

### ROLL SPECIFICATIONS

Maximum Roll Weight: \_\_\_\_\_

Maximum Roll Diameter: \_\_\_\_\_

Maximum Roll Width: \_\_\_\_\_

Maximum Web Tension (lb./linear inch): \_\_\_\_\_

Maximum Web Speed (ft./min.): \_\_\_\_\_

Web Material: Board  Paper  Film

Foil  Other: \_\_\_\_\_

Web Thickness/Weight: \_\_\_\_\_

Stopping Frequency: \_\_\_\_\_

Maximum Number of Slit Rolls: \_\_\_\_\_

### CORE SPECIFICATIONS

Core Material: Steel  Plastic  Fiber

Aluminum  Steel Capped

Other: \_\_\_\_\_

Core Inside Diameter: \_\_\_\_\_

Core I. D. Tolerance: ± \_\_\_\_\_

Number of Core Reuses: \_\_\_\_\_

### ROLL-STAND SPECIFICATIONS

Roll-Stand Manufacturer: \_\_\_\_\_

Model Number: \_\_\_\_\_

Approximate Age: \_\_\_\_\_

Unwind  Rewind

### SHAFT SPECIFICATIONS (If applicable)

Shaft Material: \_\_\_\_\_

Shaft Diameter: \_\_\_\_\_

Quantity: \_\_\_\_\_

### PRESENT CHUCK

Type: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Chuck Weight: \_\_\_\_\_ Quantity Req'd: \_\_\_\_\_



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