

# **SHAFTED ROLL STANDS**

*Complete, pre-configured solutions  
for unwinding or rewinding rolled material*



Featuring  
the finest quality  
shafts, safety chucks,  
tension control systems,  
brakes and rollers from the  
Double E Company  
& Double E / Re

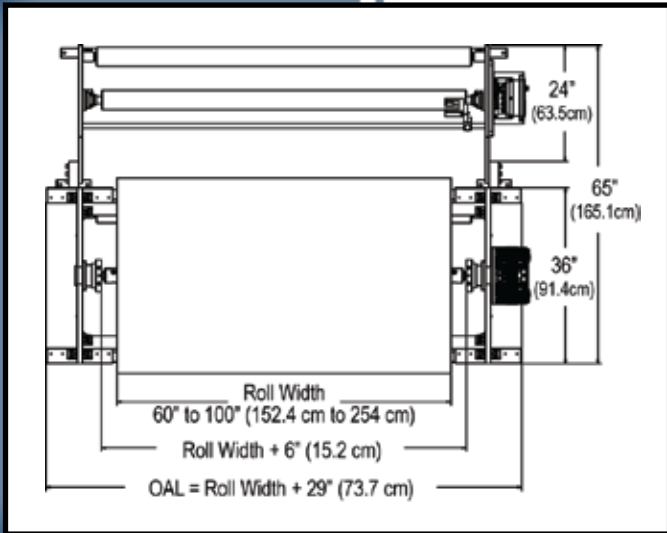


**DOUBLE E COMPANY, LLC**



*Excellence in Engineering*

## DOUBLE E "SOLUTION SERIES" ROLL STANDS



- Entire system designed **specifically for your application** by Double E's expert engineers.
- Pre-assembled stand has a warranty as a **package from one supplier**. All components work together for optimal winding control without the hassle of installing each accessory.
- Stands are **configured for various web widths and roll sizes** to minimize costs while providing proper loading properties.
- **Flexible design allows low costs** for all applications – from simple stationary unwind stands to more complex motorized rewind stands. Prices for new equipment from Double E are often lower than comparable used equipment.
- Stands **can be configured for multiple web materials and/or paths** for manufacturing flexibility.

- Double E stocks all non-custom parts and manufactures custom accessories (like shafts) quickly to enable **unusually fast lead times** on the complete package.

### GENERAL SPECIFICATIONS

- Max roll width = 100" (254 cm)
- Max roll diameter = 60" (152 cm)
- Structural steel side frames; square steel tube cross members

### HIGHEST QUALITY WEB ACCESSORIES

#### Double E / Re Combiflex pneumatic brakes

- Brakes run cooler for reduced noise and dust – pads last longer & cost less.
- Eleflex electromagnetic powder brakes also available.

#### Double E / Re Tension Control Systems

- User friendly controller interface.
- Pre-installed, calibrated parts for accuracy & convenience.
- Closed loop control with load cells or open loop control with ultrasonic sensor.

#### Double E / Re Web Guiding with Shifting Actuator

- DC stepper motors deliver industry leading response time and accuracy.

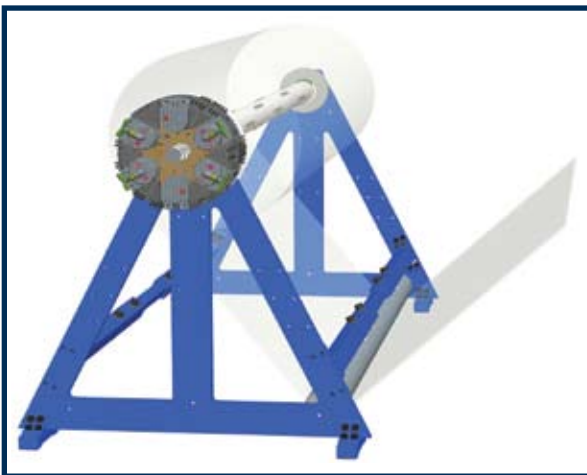
#### Double E Safety Chucks

- Unique sliding design makes loading and unloading easy, guarantees roll security, and prevents finger jamming.
- Available sidelay adjustment for alignment and pivot table for baggy edge correction.

#### Double E Shafts

- Lightweight carbon fiber or metal; lug or strip models.





### ***SOLUTION-S***

The Solution Series Simple Unwind Stand is ideal when tension control is already established, and a stand is needed only to support the shaft, safety chucks, and brake. Standard model includes A-frame, 60" - 100" web width, 40" max roll diameter, steel "Dyna-Grip" lug shaft, Re "Combiflex" pneumatic brake, SP11 safety chucks, and one exit roller.

**Options/Upgrades:** web guiding, "Dura-Light" carbon fiber lug shaft, 60" max roll diameter, web width < 60" or > 100".

### ***SOLUTION-OL***

The Solution Series Open Loop Unwind Stand is suitable when simple monitoring of roll diameter is enough to adjust tension. It is especially economical if the web path will allow for the A-frame only (without the optional exit roller stand). Base price includes A-frame, 60" - 100" web width, 40" max roll diameter, steel "Dyna-Grip" lug shaft, Re "Combiflex" pneumatic brake, SP11 safety chucks, one exit roller, and an EP.34 open loop tension control system.

**Options/Upgrades:** web guiding, "Dura-Light" carbon fiber lug shaft, 60" max roll diameter, web width < 60" or > 100", exit roller stand and extra roller.



### ***SOLUTION-CL***

The Solution Series Closed Loop Unwind Stand delivers advanced web tension control with direct measurement and feedback from load cells. Base price includes 60" - 100" web width, 40" max roll diameter, steel "Dyna-Grip" lug shaft, Re "Combiflex" pneumatic brake, SP11 safety chucks, load cell stand, 3 exit rollers, and an EP.25 closed loop tension control system with load cells.

**Options/Upgrades:** web guiding, "Dura-Light" carbon fiber lug shaft, 60" max roll diameter, web width < 60" or > 100".

### ***SOLUTION-M***

The Solution Series Motorized Rewind Stand is designed with motors, drive controls, and a fully integrated Double E / Re closed loop tension control system.

**Options/Upgrades:** upgraded motor and gearing, "Dura-Light" carbon fiber lug shaft, web guiding, 60" max roll diameter, web width < 60" or > 100".



# ROLL STANDS ~ CUSTOMER SPECIFICATIONS

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

Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

City, State, Postal Code, Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ e-mail: \_\_\_\_\_

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

Air Line Pressure Available: (90 psi recommended) \_\_\_\_\_

Nominal Core I.D.: \_\_\_\_\_

Emergency Stop Time: \_\_\_\_\_

Core Material: \_\_\_\_\_ Wall Thickness: \_\_\_\_\_

## Web Alignment / Guiding:

Core Manufacturer & Grade: \_\_\_\_\_

Automatic (shifting actuator)

Steel-Capped Cores:  All  None  Some

Guiding Type:  Edge  Line  Center

Max. Roll Weight: \_\_\_\_\_

Stroke:  2" (50 mm)  4" (100 mm)  8" (200 mm)

Max. Roll Width: \_\_\_\_\_ Diameter: \_\_\_\_\_

Manual (sidelay safety chucks)

Min. Roll Weight: \_\_\_\_\_

Stroke:  2" (50 mm)  4" (100 mm)

Min. Roll Width: \_\_\_\_\_ Diameter: \_\_\_\_\_

None

Roll Position on Shaft:  Left  Right  Center

## Stand Configuration:

Web Speed: \_\_\_\_\_

Simple A-Frame (no tension control)

Max. Linear Tension (P.L.I.): \_\_\_\_\_

Open Loop Tension Control (with US sensor)

Min. Linear Tension (P.L.I.): \_\_\_\_\_

Closed Loop Tension Control (with load cells)

Application: \_\_\_\_\_

Motorized Rewind

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

## Other Options:

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

Pivot table for safety chucks

Primary Web Material: \_\_\_\_\_

(only applicable when no exit roll is present on the unwind (no shifting actuator, no load cells on unwind))

Material Basis Weight: \_\_\_\_\_

Material Thickness: \_\_\_\_\_

Other Web Material(s): \_\_\_\_\_

Material Basis Weight(s): \_\_\_\_\_

Material Thickness(es): \_\_\_\_\_

Hoisted:  Yes  No

## Comments:



ARDOB GmbH

Tel. IT: 0039-02-40047229

Tel. CH: 0041-41-5342814

e-mail: info@ardob.com

[www.ardob.com](http://www.ardob.com)