"SR" SERIES
STRIP SHAFTS & CHUCKS

Strip Chucks
Strip Shafts
Knife Shafts
Coreless Shafts

DOUBLE E COMPANY, LLC

Excellence in Engineering

www.doubleeint.com

"SR" SERIES STRIP SHAFTS

Double E strip shafts are available in diameters as small as 1 inch.

The SR–2000 is the perfect shaft for moderate weight multiple–slit rewind applications. It uses multiple external expansion elements to grip the inside diameter of any core material. The gripping elements are activated by inflating all bladders with a single air valve.

- **Bladders rarely fail** (because of our proprietary material and metal protection strip), but, if necessary, replacement is simple and quick.
- **Gripping elements can be replaced easily** by loosening a double set screw.
- Hard rubber elements are standard, offering excellent grip and durability. Silicone and aluminum are also available.
- **Minimized core distortion and damage.**
- **Economical to purchase and maintain.**

3 INCH ALUMINUM MODEL

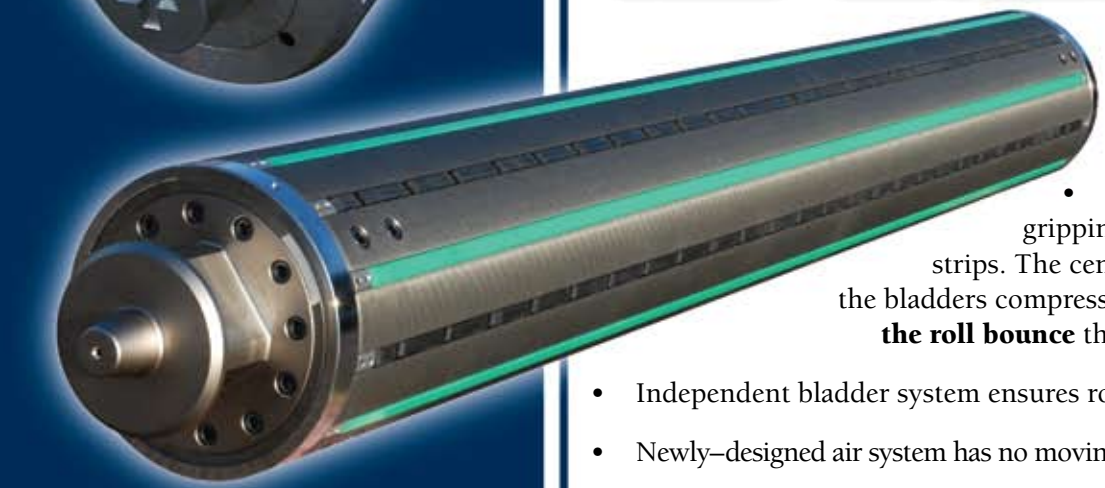
6 INCH ALUMINUM MODEL

SR–2000 shafts are also available in steel for heavyweight applications.

LIGHTWEIGHT SHAFTS

- Proprietary aluminum extrusions **minimize shaft weight in both light and heavy–duty applications** (20% lighter than the standard SR–2000 strip shaft while maintaining the same strength).
- Affordable, easy to maintain, and available in many different diameters.
- Brass air valves for corrosion resistance, custom–made steel journals, aircraft–grade aluminum bodies, high–performance bladders, and rugged gripping elements.

SELF–CENTERING SHAFTS

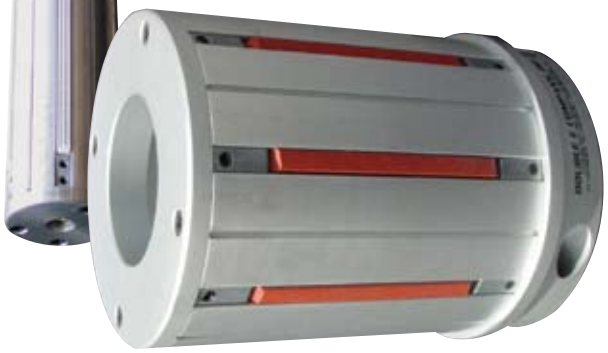


- Create and maintain a consistent axis of rotation for the roll, allowing **smooth winding of sensitive web materials**.
- Unique combination of wear–resistant gripping elements and polyethylene centering strips. The centering strips help to support the roll as the bladders compress naturally during rotation, **minimizing the roll bounce** that can occur with standard strip shafts.
- Independent bladder system ensures roll security even if one bladder fails.
- Newly–designed air system has no moving parts and is virtually maintenance free.
- Standard 3-inch and 6-inch diameters; custom ordered to fit other core sizes.

CANTILEVERED SHAFTS / STRIP CHUCKS

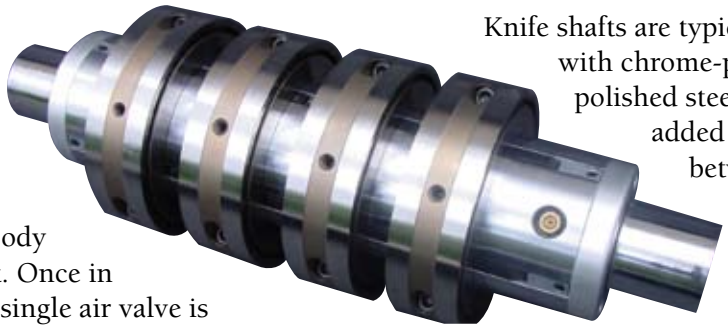
The strip chuck is a versatile core holder. It can be manufactured in **any length and diameter**, and can be used in **through–shaft or cantilevered applications**. The body provides solid strength which **prevents roll bounce and vibration**.

- Like all of the other SR products, the strip chuck is **easy to use and maintain**.
- Clamping collar facilitates repositioning of the chuck (through–shaft models).
- Bladders are tough and dependable, and bladder assemblies are easy to access and replace.
- Gripping elements come standard as hard rubber, but rugged silicone and aluminum are also available to suit various applications.
- Pre–insert models also possible.



KNIFE SHAFTS

The knife shaft is a tight tolerance external element shaft which holds anvils or knives precisely in place for slitting operations.



Knives can be placed anywhere along the body of the shaft. Once in position, a single air valve is used to supply air to the bladders. When the bladders expand, they force the gripping elements to grip the interior diameter of the knives, preventing axial movement and ensuring exact, consistent cuts. No tools are necessary to secure the knives.

Knife shafts are typically made with chrome-plated, polished steel for added precision between the shaft body and the interior diameter of the knives. All of the other characteristics of the knife shaft are reminiscent of the standard SR–2000.

Special Shafts

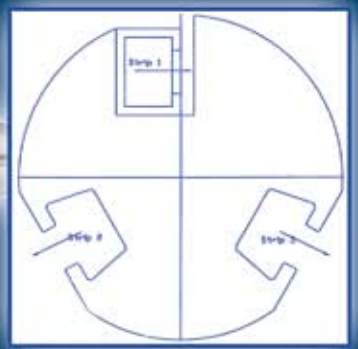
Ball Transfer
Facilitates core removal.

Sidelay Adjustment
Allows simple manual adjustment for edge alignment.

Custom
Double E specializes in solving web handling problems.

CORELESS SHAFTS

The SR coreless shaft is the obvious choice for rewinding web material without a core.



Based on the same principles as normal strip shafts, the coreless shaft rotates one bladder/gripping element assembly 90 degrees. The web material is inserted into the slot, and when engaged, the gripping element pushes the web material against the shaft body, holding it in place to begin winding.

Company: _____ Date: _____

Contact: _____ Title: _____

Address: _____

City, State, Zip: _____

Telephone: _____ Fax: _____ e-mail: _____

SR Product: Shaft ☐ Chuck ☐ Knife ☐ Coreless ☐

Shaft Diameter: _____

Core I.D.: _____ in +/- _____ / _____

Core O.D.: _____ in +/- _____ / _____

Core Material: Paper/Cardboard ☐ Plastic ☐ Steel ☐

Composite ☐ Other: _____

Core Manufacturer / Grade: _____

Steel Caps: All ☐ Some ☐ None ☐

Max Roll Diameter: _____ in

Roll Weight (lbs): _____ max _____ min

Roll Width (in): _____ max _____ min

Roll Position on Shaft: Left ☐ Center ☐ Right ☐

If Slitting, Min Slit Width: _____ in

Max Weight of Min Slit Width Roll _____ lbs

Max Number of Slits _____

Max Total Weight of Slit Rolls _____ lbs

Web Speed (fpm): _____ max _____ min

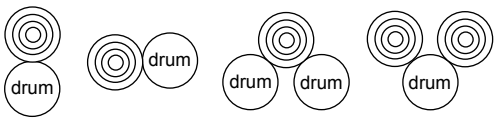
Web Tension (pli): _____ max _____ min

Machine Manufacturer / Model: _____

Circle:

Unwind Rewind

Wind Type:



Products made or converted:

Paper ☐ Film ☐ Foil ☐ Textile ☐

Other: _____

Type of Application: Slitting ☐ Other: _____

Hoisted: Yes ☐ No ☐ Air Pressure Available: ____ psi

Emergency Stopping Time: _____ sec

Existing Shaft(s) Manufacturer / Type: _____

Material: _____ Wall Thickness: _____ in

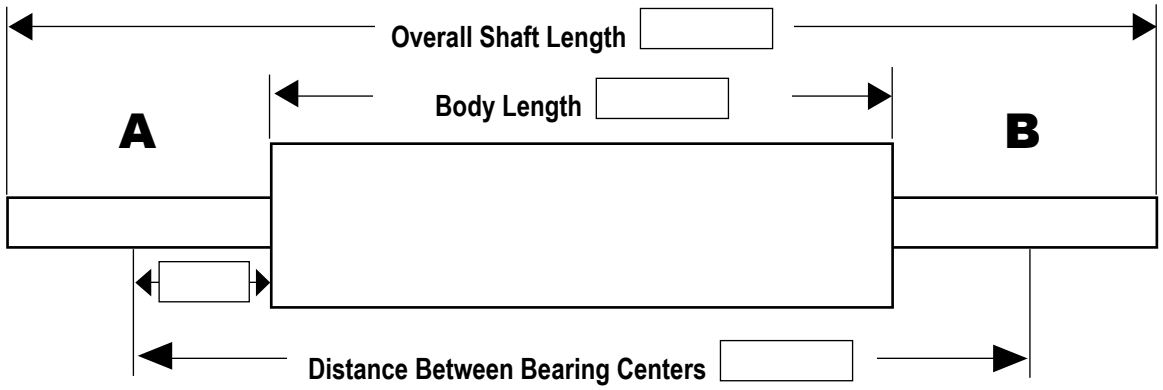
Weight: _____ lbs

Problems: Weight ☐ Deflection ☐ Maintenance ☐

Other: _____

New Shaft(s) or Chuck(s)

Quantity Needed: _____ Aluminum ☐ or Steel ☐

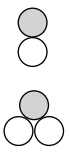


Drive Side?
A B

Please indicate air valve position with V

IMPORTANT
Please sketch journal details and write notes on a separate sheet of paper.

Circle Journal Support



☐ Steel
☐ Bronze
☐ Plastic

If journal supports differ, please indicate left and right.

☐ Bearing Housing
☐ Snap Ring
☐ Locknut ☐ with Keyway
☐ Set Screw

Bearing # _____
if # not available, _____ OD
ID _____ Width _____

If applicable:

	End A	End B
☐ Keyway Length	_____ in	_____ in
Width	_____ in	_____ in
Depth	_____ in	_____ in
☐ Drive Pin Dia.	_____ in Length	_____ in
☐ Set Screw		
☐ Drive Key Size	_____ Length	_____ in
☐ Set Screw ☐ Bolt Size		_____

Safety Chucks: No ☐ Yes ☐ Manufacturer / Model _____

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Technical Solutions

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