DF–1000 PRODUCT SPECIFICATIONS

CORE SIZE in. [mm]	MATERIAL	COLLAPSED DIAMETER in. [mm]	MAX ROLL WEIGHT lb. [kg]	MAX TORQUE PER CHUCK in.-lb. [NM]	EST. CHUCK WT. w/ MAX BORE lb. [kg]
3.00 [76.2]	STEEL	2.97 [75.4]	2500 [1134]	2120 [239]	8.0 [3.6]

DOUBLE E COMPANY, INC.

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The SR71 was first introduced in 1965 as a state-of-the-art spy plane. At the time, it revolutionized aerodynamic technology, and to this day it represents superior engineering, speed, strength, and being the best. The Double E Company is proud to have the consent of Lockheed Aircraft to use the SR71 as its corporate symbol.

CN

DF–1000

Quick–change through shaft, core chuck & retractable roll collar

- **30 SECOND ROLL CHANGES**
- **ULTRA–LIGHTWEIGHT ASSEMBLY**
- **INEXPENSIVE**

DOUBLE E COMPANY, INC.

Excellence in Engineering

Steel rollers travel up and down cam surfaces behind the jaws to cause the chuck to expand and collapse easily, reliably, and concentrically.

The DF–1000 can be purchased as part of an entire through shaft assembly, or it can be mounted onto your existing through shaft.

ABOUT THE DF–1000

The Double E Company's DF–1000 "Quick–Change" Core Chuck Assembly is a revolutionary alternative to outdated, heavy, or labor intensive chucking systems. It replaces knock-in cones or wedges, manually operated chucks, and heavy through shafts.

The DF–1000 is a torque-activated chuck which engages automatically when the roll starts to turn. As more torque is applied, the chuck grips tighter – there is no need for operator adjustment. The chuck works the same way in either direction of rotation, and **does not require any air to function**.

The real beauty of the DF–1000 comes in its ease of use – just slide the assembly into the core. That's it. And when the roll has expired, all you have to do is slide a piece of core over the collar to retract the fingers, then slide the whole unit out of the roll. **No tools are needed to change rolls.**

EFFECTIVE DESIGN

The DF–1000 uses patented technology to create a simple, rugged mechanism. Inside the chuck, six precision-ground solid steel rollers travel up and down cams on the central hex and the backs of the jaws. This rolling action causes the jaws to expand in order to grip the core. The rollers drastically reduce friction inside the chuck, minimizing wear on the internal components. Consequently, the DF–1000 requires very little, if any, maintenance.

The jaws are designed to grip the core without damaging it. They are held in place by two heavy-duty springs which also aid in jaw retraction. Reliable jaw retraction means the chuck never gets stuck in cores like cones or wedges often do.

The entire unit is held onto the through shaft by a steel clamping flange. This flange offers excellent strength and wear properties, but is easy to tighten and loosen if the chuck has to be removed or repositioned to accommodate various web widths.

OTHER COMPONENTS

The chuck's performance is enhanced by a unique roll collar which supports the roll at the end opposite the chuck. Once the assembly is inserted into a roll, the collar's retractable fingers snap into place to keep the roll in position and properly aligned. These fingers are designed to retract easily when a small piece of core is pushed over them. Once the fingers are retracted, the assembly slides out effortlessly, ready for the next roll.

UNIQUE FEATURES... THE DF–1000:

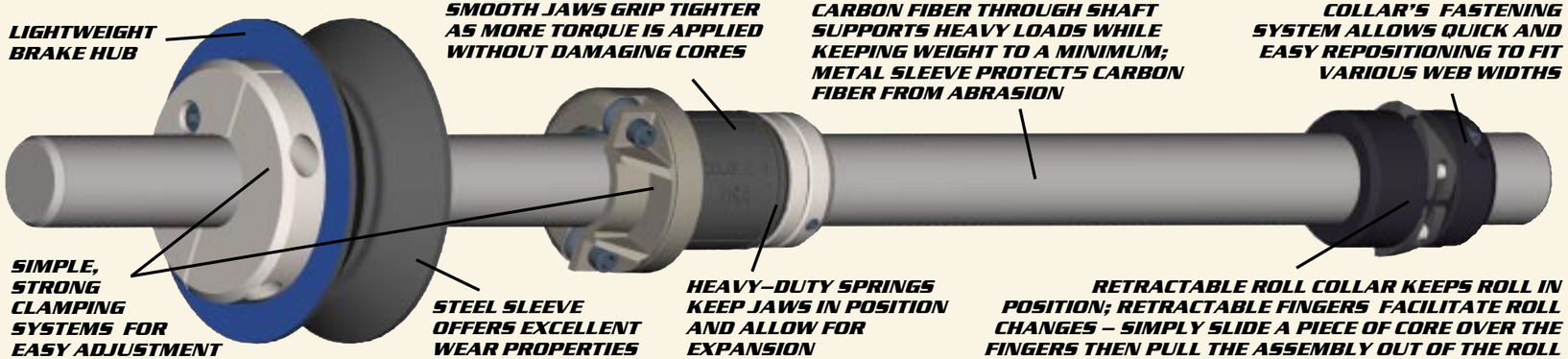
- **Quick & easy roll changeover; no tools.**
- **Automatic activation – no need for air or operator intervention.**
- **Easily adjustable for changes in web width.**
- **Eliminates labor intensive and unsafe tapered cones & wedges.**
- **Lightweight, rugged assembly requires little or no maintenance.**
- **High torque capacity.**

THE DURA–LIGHT® CARBON FIBER THROUGH SHAFT:

- **Stronger than steel; less than 50% the weight.**
- **High torsional stiffness & fatigue resistance.**
- **Sleeved with aluminum or steel to withstand rugged use.**

The roll collar and chuck can be mounted onto your existing through shaft, but for high strength and light weight, nothing compares to a Double E Dura–Light® carbon fiber through shaft. The same holds true for Double E's lightweight brake hub. Each part of the assembly is engineered to work together, creating a durable, lightweight unit which can weigh a third as much as your existing assembly.

THE DF–1000 "QUICK–CHANGE" CORE CHUCK ASSEMBLY



DOUBLE E COMPANY, INC.

Excellence in Engineering

DF–1000 CUSTOMER SPECIFICATIONS

Please fax us the following preliminary information; we'll contact you with a quotation.

CUSTOMER INFORMATION

Company Name: _____ Date: _____

Individual Contact: _____ Title: _____

Address: _____

City: _____ State: _____

Postal Code: _____ Country: _____

Telephone: _____ Fax: _____

ROLL SPECIFICATIONS

Max. Roll Weight: _____

Max. Roll Diameter: _____

Max. Roll Width: _____

Max. Tension (lb./linear inch): _____

Max. 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 SPECS

Manufacturer: _____

Model Number: _____

Approximate Age: _____

Unwind ☐ Rewind ☐

SHAFT SPECS

Shaft Material: _____

Shaft Diameter: _____

Quantity: _____

PRESENT CHUCK

Type: _____

Manufacturer: _____

Chuck Weight: _____

Quantity Req'd: _____

PROBLEMS

_____

_____

_____