

UC-3000 ULTRA CHUCK®

Lightweight, durable bladder chucks make running large and/or various sized cores quick, easy, and safe.

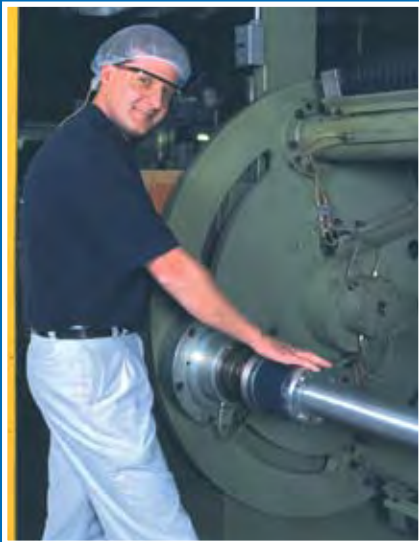


*Field-proven
design
available for three
inch cores
and larger.*



DOUBLE E COMPANY, LLC

Excellence in Engineering



“Double E brought our shaft weight down from 120 to 45 pounds, and we still see no deflection at all.”

“Our old air chucks always broke. They’d get stuck in cores and we’d have to hit them off with a hammer.”

UC-3000 “ULTRA-CHUCK” BLADDER CHUCKS

UC-3000 “Ultra-Chuck” bladder chucks are lightweight adapters which make running various core sizes quick and easy.

EXCEPTIONAL DURABILITY

- **Clamping Flange**
Stands up to demanding environments without cracking or breaking. Competing chucks are plagued with this problem.
- **Bladder**
Made with a proprietary urethane material which resists stretching, cutting, and abrasion.

Withstands repeated knife cuts.

Doesn’t swell like rubber, so chucks don’t get stuck in cores.

Lasts longer so maintenance is rare.

LIGHTWEIGHT

- **Chucks**
30% – 50% lighter than competing models.
- **Chucks / Shaft Assembly**
When used with Dura-Light® carbon fiber shafts, Ultra-Chucks provide excellent performance at surprisingly low weights.

EASY MAINTENANCE

- Simple effective design makes regular maintenance unnecessary.
- **Bladder Replacement**
Since the bladder wears far less than rubber, it rarely needs replacement. If necessary, the process is quick and easy.
- **Stainless Steel Air Valve**
Water contaminated air lines will not cause corrosion.

Can be replaced without disassembly.

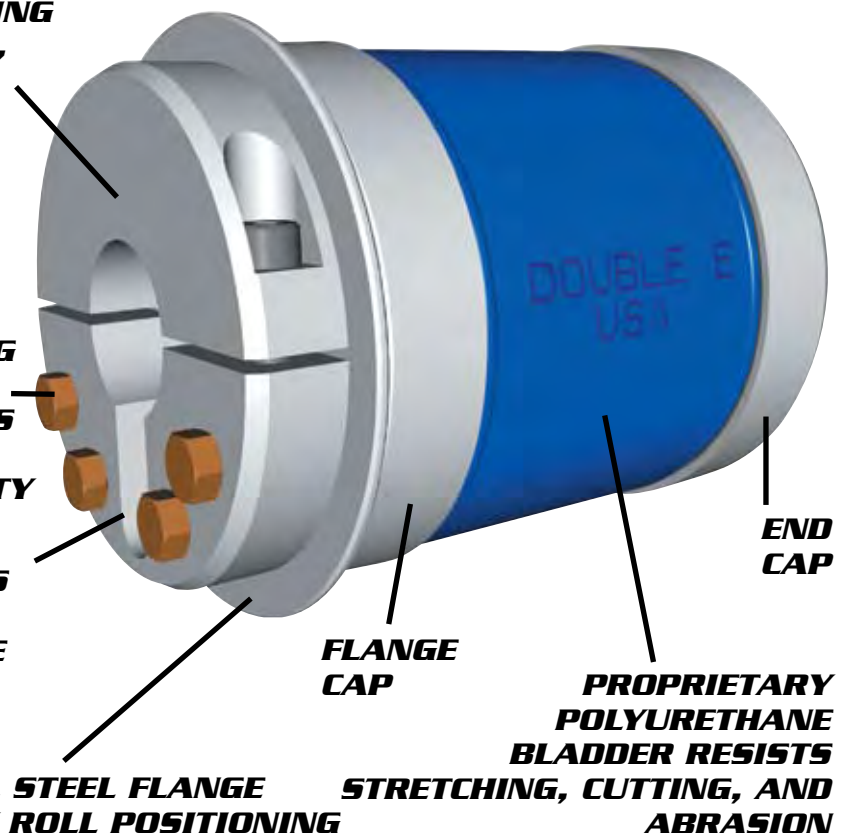
COMPONENTS OF THE UC-3000

HIGH-STRENGTH SPLIT CLAMP SET ALLOWS EASY POSITIONING OF CHUCK, BUT WILL NOT CRACK OR BREAK

ROBUST FASTENING SYSTEM INCREASES CHUCK DURABILITY

STAINLESS STEEL AIR VALVE WILL NOT RUST

OPTIONAL STEEL FLANGE FOR EASY ROLL POSITIONING



EASY TO USE

- Clamps in position in seconds.
- Can be repositioned or replaced with little effort to accommodate various web widths or different core sizes.
- Optional air hose connects two chucks for simultaneous inflation and deflation.

PROVEN TECHNOLOGY

Double E has been manufacturing core chucks and shafts since 1972. The Ultra-Chuck is a proven product from an industry leader. It performs reliably and consistently, and carries a long, comprehensive warranty.

Solid body design and dual clamps are available for heavy duty applications.

UNIQUE FEATURES OF UC-3000 BLADDER CHUCKS

Durable and dependable.

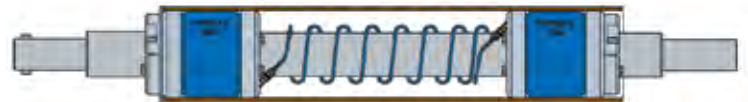
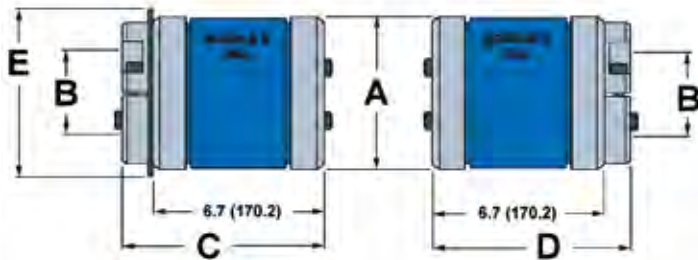
Polyurethane bladder resists stretching - chucks don't get stuck in cores, and are easy to insert.

30 - 50% lighter than competing chucks.

Little or no maintenance.

Use with a Dura-Light® carbon fiber shaft to create a high performance, lightweight & inexpensive assembly.

PRODUCT SPECIFICATIONS



**OPTIONAL CONNECTING AIR HOSE
ALLOWS BOTH CHUCKS TO BE ENGAGED
FROM A SINGLE VALVE**

NOMINAL SIZE	A OUTSIDE DIAMETER	MAXIMUM B DIAMETER*	C (FLANGED) LENGTH	D (CENTER MOUNT) LENGTH	FLANGE OUTSIDE DIAMETER	TORQUE CAPACITY PER CHUCK**	WEIGHT FLANGED W/ MAX BORE	WEIGHT (CENTERMOUNT) W/ MAX BORE	MAX ROLL WT. (2 CHUCKS)	
in [mm]	in [mm]	in [mm]	in [mm]	in [mm]	in [mm]	AT 80 PSI inch pounds	AT 5.5 BAR newton meters	lb [kg]	lb [kg]	
3 [76.2]	2.98 [75.7]	2 [50.8]	11 [281]	NOT AVAILABLE	3.98 [101.1]	600	68	5.5 [2.5]	NOT AVAILABLE	400 [180]
4.72 [120]	4.67 [118.6]	3 [76.2]	8.08 [205.2]	7.78 [197.6]	5.2 [132.1]	4000	450	5.7 [2.59]	4.7 [2.13]	2570 [1165]
5 [127]	4.95 [125.7]	3 [76.2]	7.83 [198.9]	7.7 [195.6]	5.5 [139.7]	4500	510	5.75 [2.61]	5.5 [2.50]	2860 [1300]
5.91 [150]	5.86 [148.8]	3.5 [88.9]	7.83 [198.9]	7.7 [195.6]	6.5 [165.1]	5400	610	6.5 [2.95]	6 [2.72]	3000 [1360]
6 [152.4]	5.94 [150.9]	3.5 [88.9]	7.83 [198.9]	7.7 [195.6]	6.5 [165.1]	5400	510	7 [3.18]	6.5 [2.95]	3000 [1360]
8 [203.2]	7.92 [201.2]	4.9 [124.5]	8 [203.2]	7.7 [195.6]	8.5 [215.9]	18000	2000	15 [6.8]	14 [6.35]	4400 [2000]
10 [254]	9.88 [251]	6.375 [162]	7.83 [198.9]	7.7 [195.6]	10.5 [266.7]	28000	3000	19.5 [8.85]	18 [8.16]	5500 [2500]
11.81 [300]	11.63 [295.4]	7.375 [187.3]	8 [203.2]	7.9 [200.7]	12.5 [317.5]	36000	4000	24 [10.9]	22 [10]	6600 [3000]
12 [304.8]	11.7 [297.2]	7.375 [187.3]	8 [203.2]	7.9 [200.7]	12.5 [317.5]	36000	4000	24 [10.9]	22 [10]	6600 [3000]
15.75 [400]	15.59 [396]	11.375 [288.9]	7.03 [178.6]	6.9 [175.3]	16.5 [419.1]	47300	5200	35.75 [16.22]	33.75 [15.31]	6600 [3000]
16 [406.4]	15.7 [398.8]	11.375 [288.9]	7.03 [178.6]	6.9 [175.3]	16.5 [419.1]	48000	5400	36 [16.3]	34 [15.4]	6600 [3000]

* Actual Bore = customer specified nominal bore $+0.010$ inch ($+0.25$ mm) $+0.015$ ($+0.38$ mm).

** Higher air pressure (125 p.s.i. / 8.5 bar max.) provides higher torque capacity.

Non-standard chuck sizes are available on request.

UC-3000 Ultra-Chuck® Bladder Chucks and Dura-Light® Carbon Fiber Shafts



*An optional
air hose connects
Ultra-Chucks for convenient
inflation and deflation.
A single valve is used to
control both bladders.*

When used together, Double E bladder chucks and carbon fiber shafts provide a high strength, ultra-lightweight, and cost effective solution for handling large and/or various core diameters.



Dura-Light Air Bladder Shafts

Dura-Light Through Shafts



“Light Years Ahead”



www.doubleeusa.com



DOUBLE E COMPANY, LLC

319 Manley Street, West Bridgewater, MA 02379 U.S.A.
Tel: (508) 588-8099 / Fax: (508) 580-2915

e-mail: doublee@doubleeusa.com

*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.*