

# ***UC-3000 ULTRA CHUCK®***

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

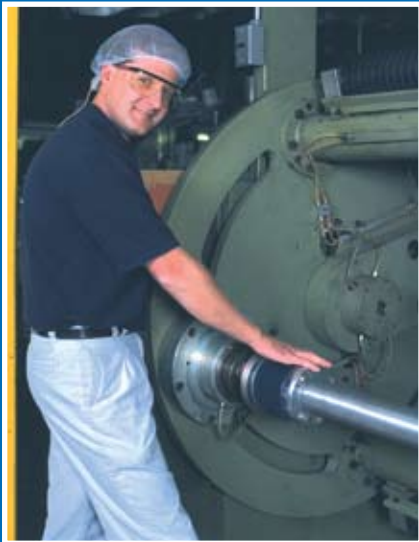


***Field-proven  
design  
available for three  
inch cores  
and larger.***



***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.

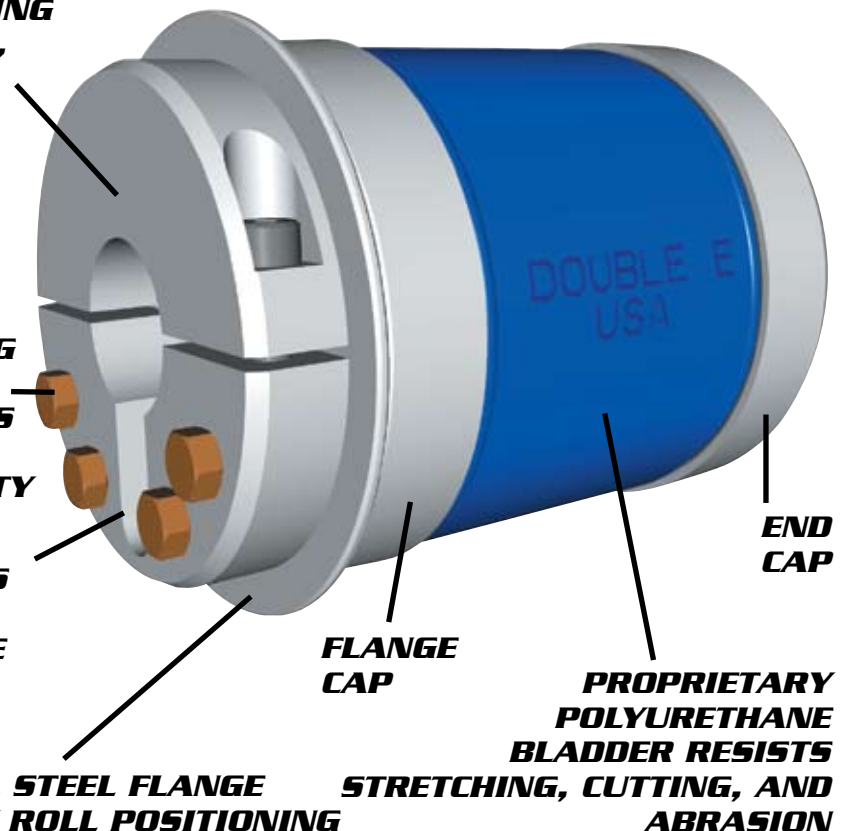
## **COMPONENTS OF THE UC-3000**

**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.**

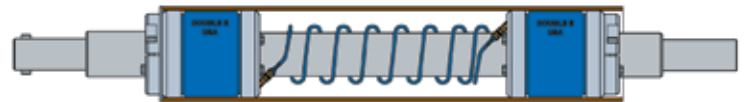
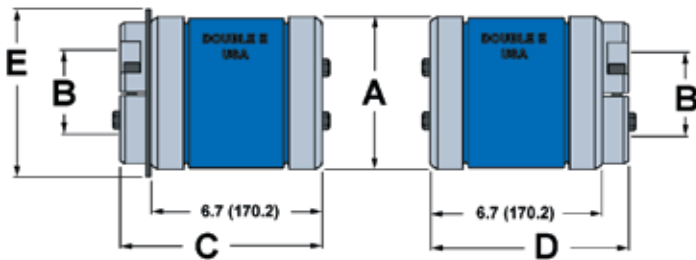
**Polyurethane bladder resists stretching - chucks don't get stuck in cores, and are easy to insert.**

**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]	lb [kg]
3	2.98	2	11	NOT AVAILABLE	3.98	600	68	5.5	NOT AVAILABLE	400
[76.2]	[75.7]	[50.8]	[281]		[101.1]			[2.5]		[180]
4.72	4.67	3	8.08	7.78	5.2	4000	450	5.7	4.7	2570
[120]	[118.6]	[76.2]	[205.2]	[197.6]	[132.1]			[2.59]	[2.13]	[1165]
5	4.95	3	7.83	7.7	5.5	4500	510	5.75	5.5	2860
[127]	[125.7]	[76.2]	[198.9]	[195.6]	[139.7]			[2.61]	[2.50]	[1300]
5.91	5.86	3.5	7.83	7.7	6.5	5400	610	6.5	6	3000
[150]	[148.8]	[88.9]	[198.9]	[195.6]	[165.1]			[2.95]	[2.72]	[1360]
6	5.94	3.5	7.83	7.7	6.5	5400	510	7	6.5	3000
[152.4]	[150.9]	[88.9]	[198.9]	[195.6]	[165.1]			[3.18]	[2.95]	[1360]
8	7.92	4.9	8	7.7	8.5	18000	2000	15	14	4400
[203.2]	[201.2]	[124.5]	[203.2]	[195.6]	[215.9]			[6.8]	[6.35]	[2000]
10	9.88	6.375	7.83	7.7	10.5	28000	3000	19.5	18	5500
[254]	[251]	[162]	[198.9]	[195.6]	[266.7]			[8.85]	[8.16]	[2500]
11.81	11.63	7.375	8	7.9	12.5	36000	4000	24	22	6600
[300]	[295.4]	[187.3]	[203.2]	[200.7]	[317.5]			[10.9]	[10]	[3000]
12	11.7	7.375	8	7.9	12.5	36000	4000	24	22	6600
[304.8]	[297.2]	[187.3]	[203.2]	[200.7]	[317.5]			[10.9]	[10]	[3000]
15.75	15.59	11.375	7.03	6.9	16.5	47300	5200	35.75	33.75	6600
[400]	[396]	[288.9]	[178.6]	[175.3]	[419.1]			[16.22]	[15.31]	[3000]
16	15.7	11.375	7.03	6.9	16.5	48000	5400	36	34	6600
[406.4]	[398.8]	[288.9]	[178.6]	[175.3]	[419.1]			[16.3]	[15.4]	[3000]

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



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