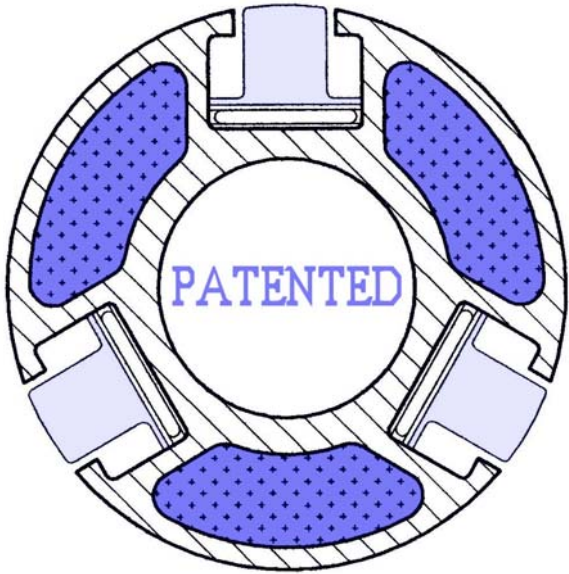


# Setting The Gold Standard

## Lightweight Multiple Bladder Carbon Fiber Pultrusion Shafts

In response to customer requests, Goldenrod has developed an extremely rigid, lightweight carbon fiber shaft in the easy-to-use Multiple Bladder design.

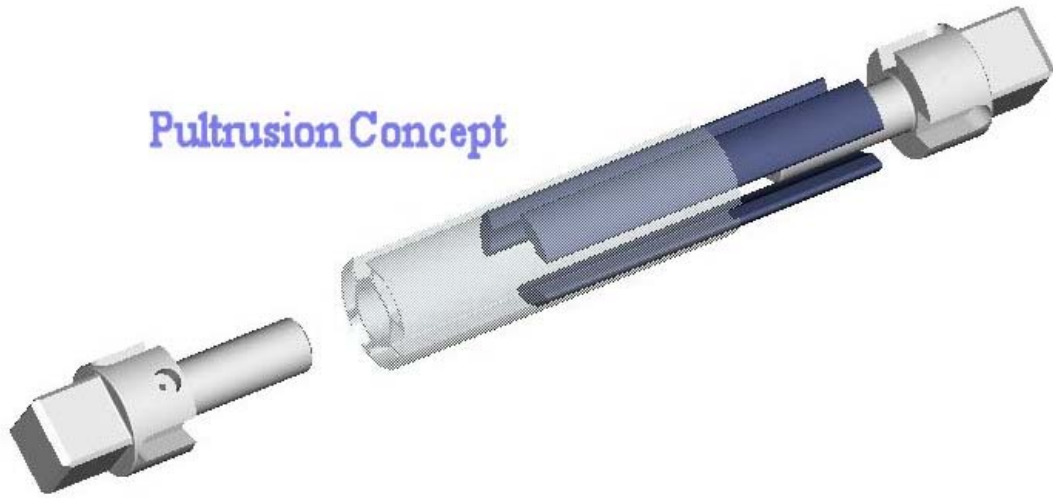
- Hundreds of long high modulus carbon fibers, wetted with epoxy, are kept straight and pulled through voids in the aluminum profile. After drying, the fibers become set at zero degrees, resulting in an **extremely lightweight air shaft with the rigidity of steel.**
  - The carbon is completely protected on all sides by aluminum **and cannot be cut into or damaged.**
  - Due to its **low inertia**, the shafts can quickly accelerate and run at very high speeds **that are unapproachable with steel or even wound carbon lug models.**
  - The models **weigh less and cost less** than competitive wound carbon fiber lug shafts!
- 
- The pultrusion design is available in **3", 4", 5", 6", and 6.75" diameters.**
  - All our pultrusions are made in the popular **Multiple Bladder design** that Goldenrod is known for. As always, the **operator-friendly Multiple Bladder design allows replacement of the air bladders in as little as 10 minutes!**
  - **Always Safe and Always Reliable!**

### Goldenrod Corporation

100 Union City Road Prospect, CT 06712  
800-465-3763 fax: 203-758-0074 [quotes@goldrod.com](mailto:quotes@goldrod.com)

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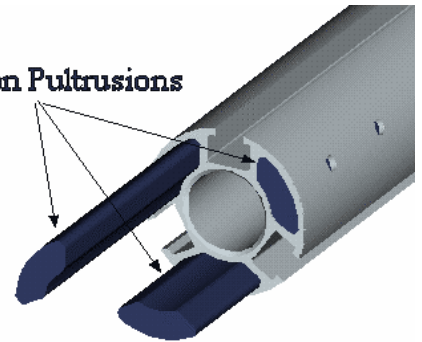
# Goldenrod Carbon Pultrusion



Goldenrod received a US Patent for the Carbon Fiber Pultrusion design in 1998. The model quickly satisfied an existing need in the market for a reliable shaft dedicated to **Safety, Performance, and Ease of Maintenance.**

- Multiple Bladder style allows 10-minute bladder change
- Journals never need to be removed
- Carbon cannot be dented or cut into and is never exposed to screw threads
- Low-inertia allows higher running speeds using less horsepower
- Available with 94 Million, 114 Million, and 125 Million carbon fibers

**Carbon Pultrusions**



**Aluminum Completely Surrounds the Carbon**

Shaft size	# of ledges	Ledge width	Max Torque	Single Core	Multiple Cores	Weight/inch assembled
3"	3	20	101	2700	1400	0.39
4"	5	15	160	3300	2400	0.728
5"	5	15	240	3500	2500	0.864
6"	6	20	405	4000	3000	0.984

Max loads based on 80" OAL x 74" body; 78" distance between bearings; 70" web width

Multiple core max = 0.125" deflection

Note: 6.75" available on special request

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## GOLDENROD CORPORATION

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