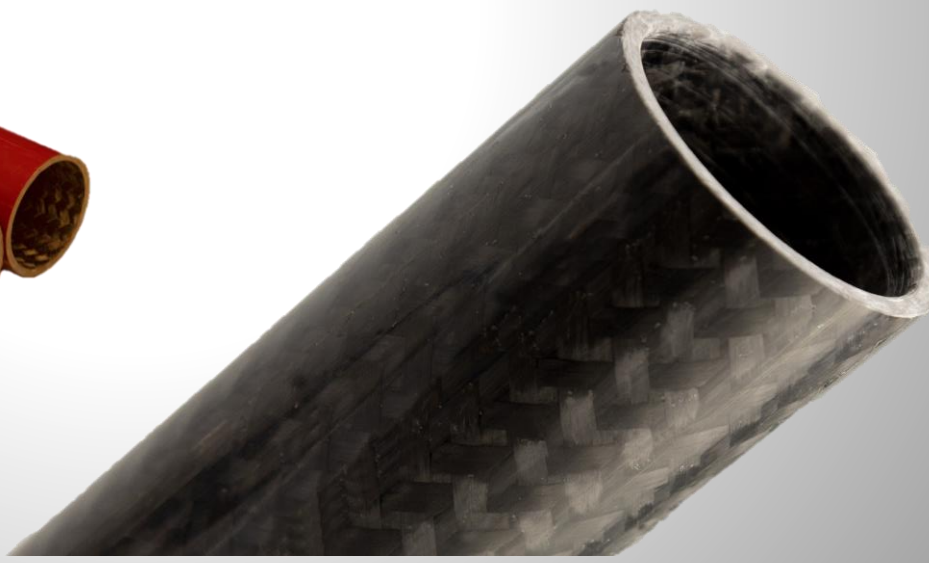
MARINE APPLICATIONS

CARBON TUBES

COMPOSITE TUBES

MASTS AND SPARS
BOWSPRITS
RUDDER STOCKS
PADDLE SHAFTS
FISHING GAFFS AND NETS



PROPERTIES

- Design flexibility and customizability
- Carbon composite tubes are superior alternative to traditional materials for applications that require
- Carbon fiber epoxy matrix
- %80 weight reduction comparing to metal alternative
- High stiffness with superior tensile strength
- High Rigidity
- Non-corrosive
- Low thermal expansion

CUSTOMIZATION

- From 4mm to 120mm different diameters are availabile with different production methods such as;
  - Pultrusion
  - Pullbraiding
  - Pullwinding
  - Rollwrapping
- Design flexibility
- Cutting possibility for desired lenghts

USE

- Masts and spars
- Bowsprits
- Rudder stocks
- Tiller Arms
- Gangways and Passerelles for larger yatchs
- Stanchions and Railings
- Boom Vangs
- Paddle Shafts
- Fishing Gaffs and Nets
- Seat Posts for Dinghies

Some diameter options for different production types

Outer Diameter	Inner Diameter	Production Method
6	5	Roll-wrap
7	6	Roll-wrap
8	6	Roll-wrap
10	8	Roll-wrap
12	10	Roll-wrap
16	14	Roll-wrap
20	18	Roll-wrap
35	33	Roll-wrap
97	90	Roll-wrap

Outer Diameter	Inner Diameter	Production Method
20	18	Pullbraid
25	23	Pullbraid
30	25	Pullbraid

Outer Diameter	Inner Diameter	Production Method
14	12	Pultruted
18	14	Pultruted
25	22	Pultruted

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