



DragonPlate™

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Material Specifications



Carbon Fiber Economy Tube

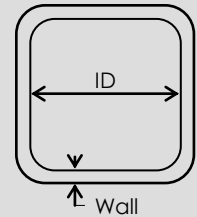
Comprised solely of carbon fiber braid fabrics our economy square tube is ideal for building light weight frames and structures such as trusses. Engineered to be much stronger under torsional and side loading than pultruded tubing.

STANDARD SIZES

SIZES	WALL THICKNESS	WEIGHT (lbs/ft)
¾" x ¾" (0.790 x 0.790 ± 0.010) ID	0.043" (± 0.015)	0.07
1" x 1" (1.032 x 1.032 ± 0.010) ID	0.043" (± 0.015)	0.08

Lengths: 96", 72", 48", 24" (-0, +0.5)
(96" may be up to 98")

Finishes: Natural, wet, shiny finish,



Additional Options

- Custom Sizes
- Custom Lengths
- Custom Wall Thickness
- CNC Machining
- Design and Engineering Services

TECHNICAL SPECIFICATIONS

Properties of Braid Fiber

Tensile Strength: 640 ksi
Modulus of Elasticity: 34 Msi

Resin

Epoxy resin that accounts for approximately 50% of the composition

$W_f \approx 50\%$

Lay Up Schedule

± 25° bi-axial CF braid
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