



Key Features

- Roll Wrapped Construction
- 120°C Maximum Service Temperature
- Glossy Woven Fibre finish

Description

High strength roll wrapped carbon fibre tube with a glossy, woven carbon fibre finish making them a great choice for a huge range of both structural and cosmetic applications including drones, UAVs, camera rigs, automation, tripods, lightweight structures and much more.

Typical Uses

- Lightweight Structural/Engineering Projects
- UAVs, quadcopters, muticopters
- Radio controlled models (planes, boats etc.)
- Engineering & automation
- Recreational equipment (tripods, sporting goods)

Specification

The mechanical data following applies to the following size of tube.

Carbon Fibre Tube - Round 1 & 2m lengths

5mm(3mm)	6mm(4mm)	7mm(5mm)	8mm(6mm)
10mm(8mm)	10mm(9mm)	12mm(10mm)	12mm(11mm)
14mm(12mm)	16mm(14mm)	18mm(16mm)	20mm(18mm)
22mm(20mm)	25mm(23mm)	25mm(22mm)	30mm(27mm)
40mm(37mm)	50mm(47mm)	60mm(57mm)	

Mechanical Properties

The Following Data is representative of a typical tube.

Property	Unit	Value
Tensile Strength Lengthways	MPa	650
Tensile Modulus Lengthways	GPa	64
Maximum Service Temperature	°C	120

Dimensional Tolerance

The Following Data is representative of typical dimensional tolerances for the inner and outer diameters of the tube sizes shown.

Tube Nominal OD mm	Units	ID Tolerance	OD Tolerance
5, 6, 7, 8, 10	+mm	0.2	0.2
12, 14, 16	+mm	0.2	0.15
18, 20, 22, 25	+mm	0.2	0.2
30	+mm	0.25	0.25
40, 50, 60	+mm	0.3	0.3

Disclaimer

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Page 1 of 1