



Advanced Composite Propshafts

CTG uses its expertise in the area of filament wound composites and its comprehensive experience of composite materials to produce lightweight, high performance composite propshafts and drive shafts.

CTG's propshafts are used in motorsport worldwide. These shafts have helped teams to achieve success at Le Mans, in FIA GT, ALMS and other series. CTG's approach to the production of propshafts begins with the design of the optimised composite tube element. Each tube is a bespoke design for the application and is manufactured in-house. These tubes are designed in conjunction with the bond to ensure that they work together to give the strongest and most reliable solution.

Property of GT/DTM style shaft	Value
Typical weight	2.0kg
Typical length	1.5m
Typical diameter range	58.5mm to 75mm
Typical temperature range	<120°C peak, <100°C operating
Typical failure torque	3500Nm
Typical fatigue life	10 ⁶ Cycles @ 85% Failure torque

CTG's aim is to produce shafts that meet all of the customer requirements- they must be light, strong and "must not fail". CTG is proud to have met these aims in all of its existing driveline products. To guarantee that these shafts meet the requirements of the customer each design is put through a rigorous test procedure in CTG's in house mechanical test lab. This procedure includes high load fatigue testing and ultimate load testing.

Options for couplings: CTG TORQdisc Flexible Disc Couplings, CVs, Tripodes and Universal Joints.

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