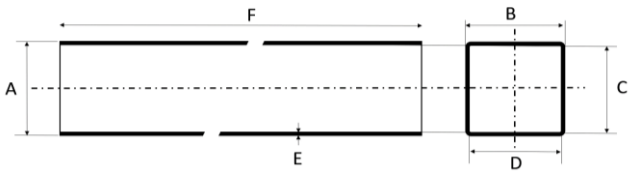
PRODUCT DATA SHEET approximate properties for reference only

Product group:	**CARBON FIBER TUBES RECTANGULAR HIGH PRECISION**	document nr.: PDSCFCtubesrectangular
characterisitcs	High Precision Rectangular Tube with Optimal Bending and Torsional Stiffness Transparent Non Painted	Issue Date: 15-10-2019 Revision: 1
Production process:	Prepreg Lamination / Autoclave Technology	Revision Date: 18-11-2019

PRODUCT SPECIFICATIONS FOR ALL SPECIFIED PRODUCTS IN THIS DATASHEET



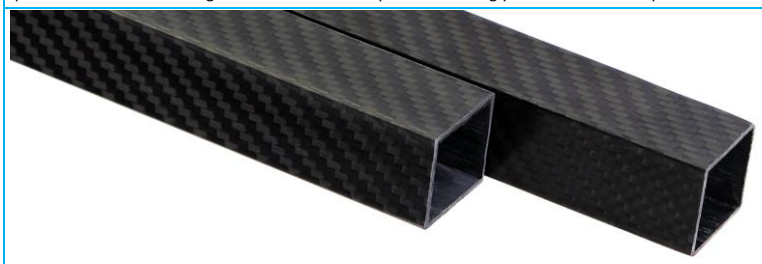
PRODUCT DIMENSIONS

A: Height Outer:	mm	Ø OUTER 25mm -/- 0 mm / +0,5mm
B: Width Outer:	mm	Ø OUTER 25mm -/- 0 mm / +0,5mm
C: Height Inner:	mm	Ø INNER 22,1 -/-0mm/+0,5mm
D: Width Inner:	mm	Ø INNER 22,1 -/-0mm/+0,5mm
E: Wall thickness:	mm	1,45 +/- 0,2mm
F: Length	mm	1550 +/- 3mm
Weight	gr	+/- 10%
Surface finish:		Semi Gloss / Satin, Non Painted
Skin material:	Fabric	Twill
Core Material:		App. 80% UD-0° fibers placed in length direction of the tube
		App. 20% UD-90° fibers placed 90° on length direction of tube
Fibers:		High Strength Carbon Fiber Tow 3K
Resin:		standard grade Epoxy Resin
Glass Transition Temperature		Min. 80°C (temperature resistance)
Density:	gr/cm3	Approximate 1,76

PRODUCT QUALITY

Visual Grade on surface		Non Painted Surface Industrial Grade
		Small pinholes may occur, this is due to production process
Fiber Fabric Weave		The fabric may have some spread
Edges Cut at 90°		Cut at app. 90°
Product Packaging		Product individually packed and grouped packed in standard CarbonWebshop packaging

The data in this sheets are approximate and based on general calculations and technical data sheets from material suppliers. The raw materials used can be replaced by materials with equivalent values. Refitech BV cannot take responsibility that products will meet the specification and will take no responsibility for any damages, directly or indirectly, related to the use of these products. If precise specifications such as strength and stiffness are required we strongly advises to test the products on the required functionality in the environment you are intend to use it.



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PRODUCT REFERENCES

Product	HIGH PRECISION CARBON FIBER EPOXY TUBES RECTANGULAR	Product Specific Dimensions in MM					Finishing		Specifics		
		Height	Width	Wall	Length	Staightness	Skin	Paint	Weight	Fmax till failure	Deflection
Reference	Definition	A	B	C	D	E	Fabric	Finish	gr	N	mm
CKO2525 1500 HP	Carbon fiber rectangular precision tube 25x25x1500-1,45mm Satin Twill	25,0	25,0	1,45	1.500	+/-3mm/M	Twill	No	325	n.a.	n.a.