

THM-Carbones

composite components

Clavicula sine exceptione

made in germany



Clavicula sine exceptione

Clavicula SE is a full carbon crank with integrated carbon axle. In the development phase particular emphasis was placed on optimizing structural design. Particularly noteworthy is the spider whose geometrical and structural definition is based on a precise analysis of the load paths – with the result of an extreme lateral stiffness for best switching behavior and an excellent stiffness in the circumferential direction for loss-free power transmission. This design optimization resulted – just as a side effect – in an exceptionally stiff and light crank system.

We are particularly proud of the patented connection between left-hand crank and axle. It's the first time that a carbon & carbon material combination is realized which was tested thoroughly and successfully in the last few years. Decisive advantage: This solution minimizes the relative movement between the teeth thanks to the identical fiber texture of the external and internal toothings. As a result wear-and-tear is practically zero and there is no source of noise development.

Clavicula SE clearly outshines all benchmarks so far set by ourselves. Indeed it can be considered as a new reference in crank design.

Clavicula sine exceptione – without limitation – is synonymous with a new kind of smoothness and outstanding utilization of load paths. A highly promising forerunner for the next technologically oriented development step to come.

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Private brand of THM Composites Technology GmbH

Technische Daten

Technical specifications

Gewicht	287 g	Weight
Q-Faktor	148 mm	q-factor
Kettenlinie	43,5 mm	Chainline
Innenbreite	118 mm	Internal width
Kurbellänge	170 mm – 172,5 mm – 175 mm	Length
Max. Gesamtgewicht	120 kg	Max. total weight

Montage

All common inner bearings possible
BSA, Shimano Pressfit-System, BBRight, BB30,
Italian thread, PF30, 386 EVO

Installation

BBRight Direct Fit (only Cervelo frame R5ca)
BB 386 (only AX Lightness frame ViAL EVO)
also available – please specify in your order

Kontakt / Contact

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