

FORZA



FORZA P&A, OUR VISION

Our goal is to develop innovative products which perform at the highest level.

Forza offers three component ranges that deliver world class performance for road, triathlon, mountainbike and cyclocross disciplines: Stratos, Cirrus and Cirrus Pro.

All of our products are designed in Belgium.



NEW CARBON WHEEL RANGE

30 & 45 MM

- Robot braided in Germany.
- 100% reproducible and controlled fiber layup.
- Highest quality due to automatization.
- Key innovations and patents that deliver a lighter, stronger and more durable rim.
- Wheel assembled in Italy with 100% European components only.



R45-19C

CARBON ROAD WHEELS

ONE-PIECE BY BRAIDING

To reduce scrap of very expensive raw material, prepreg rims are built up from several smaller segments. The segments are placed next to each other with some overlapping.

For a performance of the overlap which is comparable with an endless fiber, you need an overlap of around 5cm, resulting in an unwanted increase of the weight.





CONSISTENT FIBER ANGLE

Consistent fiber angle over the whole rim leads to an equal load introduction and the best performance. That is very different to standard prepreg rims; to reduce scrap of very expensive raw material, prepreg rims are built up from several smaller segments.



STRENGTH

- Burst pressure of rim above 18 bar with a 23 mm tire! Polyester fleece at the rim edge absorbs the biggest forces during impact.
- Consistent fiber angle over the hole rim: equal load introduction.

BRAKING PERFORMANCE

- High Tg (Glass Transition Temperature) of around 230°C (most other rims 190-230°C).
- Completely uniform resin structure due to injection: no issues with induced heat.
- One piece construction: no issues with delamination.
- SwissStop brake pads delivered with wheels.

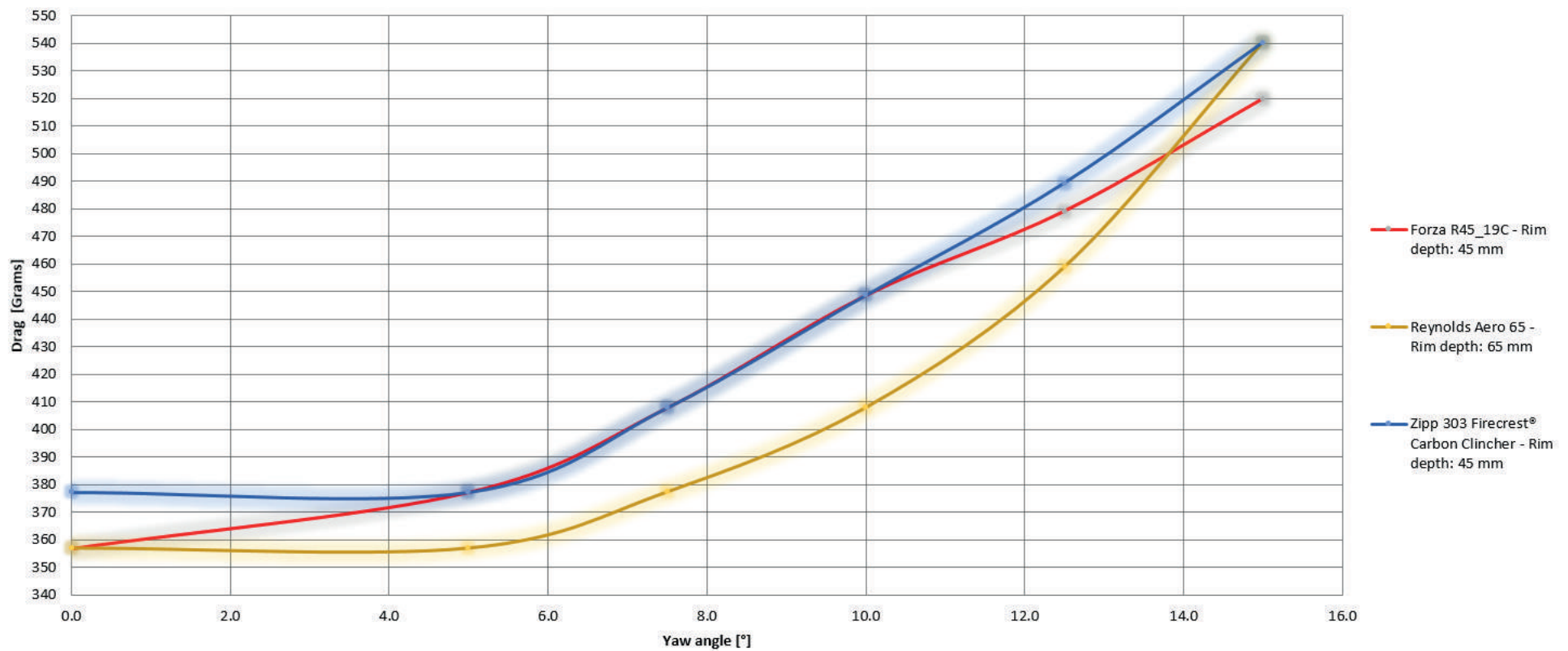
WEIGHT

- 400g for 45/26 mm is amongst the lightest in the market.
- Complete set of Forza R45_19C wheels with DT Swiss 350 hubs and Sapim® spokes weighs less than 1.463g, more than 200g less than a Zipp 303 Firecrest® Carbon Clincher.



AERO

Aero performance of Forza R45 on par with Zipp 303 Firecrest® Carbon Clincher across 0-15 degrees yaw with 25 mm tire at 110 psi at 42,48 km/h.



R45_19C

COMPETITIVE ANALYSIS

	ZIPP 303 FC CC	FFWD F4R FCC	FORZA R45_19C	FORZA R45_19C DISC
Rim height	45 mm	45 mm	45 mm	45 mm
Rim width	28,5 mm	22,4 mm	26 mm	26 mm
Hub	Zipp straight pull	FFWD J-bend	DT Swiss 350 straight pull	DT Swiss 350 straight pull CL
Spoke	Sapim® CX-Sprint (18/24)	Unknown (20/24)	Sapim® CX-Ray (20/24)	Sapim® CX-Ray (24/24)
Nipple	Sapim®	Unknown	Sapim® Alloy	Sapim® Alloy
Weight set	1.625g	1.510g	1.463g	1.528g
MSRP	€ 2.200	€ 1.699	€ 1.699	€ 1.699