

**DT SWISS** *ENGINEERING PERFORMANCE*

# FR 1500 CLASSIC SHAPES NEW LINES

**EMBARGO**  
JUNE 8, 2023  
4 PM CEST



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**FR 1500 CLASSIC**

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# EXECUTIVE SUMMARY



# ABSTRACT

The FR 1500 CLASSIC is ready to transform that nervous anticipation before opening a new line into relief, providing increased riding precision and wheelset durability.

A unique, lightweight and stable rim profile not only increases impact resistance, but also reduces weight and the probability of pinch flats.

The wheel's design takes load distribution in extreme riding situations into account; a different number of spokes on the front and rear wheel creates the strongest and lightest possible wheel, offering precision and durability. It won't hold you back from finding new lines.





## FR 1500 CLASSIC FEATURES

### **INCREASED IMPACT RESISTANCE RIM PROFILE**

The modification of the rim profile as well as the addition of material at specific places allows to increase its resistance to impacts.

### **INCREASED PINCH FLAT RESISTANCE RIM FLANGE**

The rims reworked flange, improves its resistance to pinch flats by 17% compared to the FR 1950 CLASSIC rim, according to tests conducted with a leading tire supplier.

### **REDUCED WEIGHT**

The new rim profile, as well as the 28 spokes at the front, allow a weight reduction of 7% for a pair of wheels, with identical specifications between the FR 1500 CLASSIC and the previous model, the FR 1950 CLASSIC.

### **CLASSIC 240 HUB**

The 240 hub has proven itself on the world circuit for many years, equipped with the Ratchet EXP 36T system and in a classic configuration, for uncompromising resistance.

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**FR 1500 CLASSIC**  
SHAPES NEW LINES



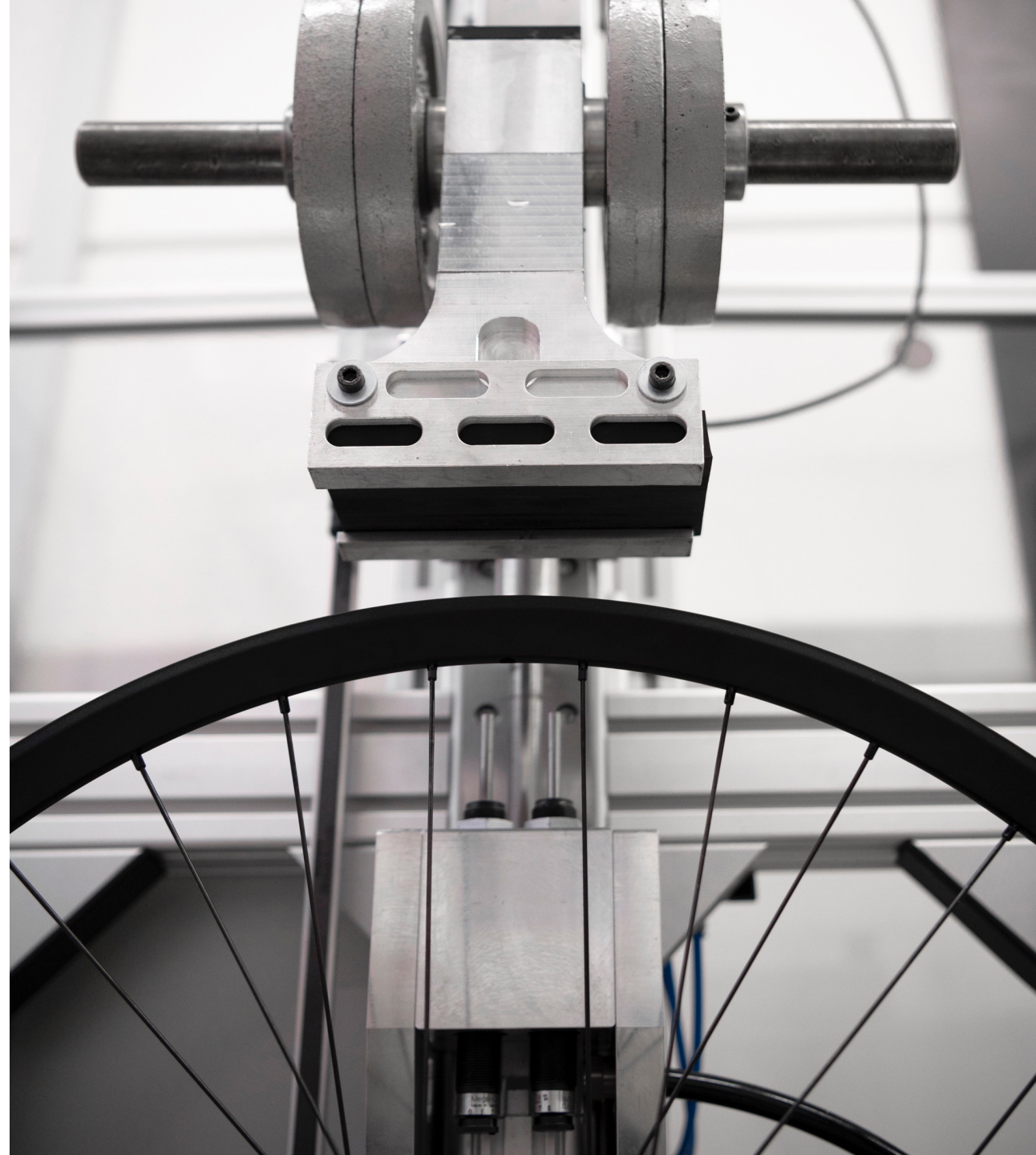
**DT SWISS**

## DEVELOPMENT CHALLENGES

DT Swiss has never shied away from challenges and making the FR 1950 CLASSIC, one of the toughest Gravity wheels, even more ready than before was a significant one.

To achieve this, we considered all the components that make up a wheel and reworked them to make the FR 1500 CLASSIC the strongest Downhill and Freeride wheel in the DT Swiss range.

The result of this development is a stronger and lighter wheelset, ready to inspire confidence in any rider to ride any new line that emerges in front of his wheel.





## REDUCED WEIGHT

The FR 1500 CLASSIC is lighter than the previous FR 1950 CLASSIC due to the complete reworking of the rim profile and the adapted spoke count of 28 spokes at the front wheel and 32 spokes at the back.

In the case of downhill and freeride, a lighter wheelset makes a lot of sense. On one side, it means that getting up to speed will be easier, and on the other side, enhance the steering reactivity. That is exactly what's important when it comes to landing a big jump, or just flying over the roots fields to land into tight switchbacks!

Therefore, the FR 1500 CLASSIC inspires confidence to ride new lines. On the one hand by its new technical features and on the other hand, by what these new features allow during your riding session.

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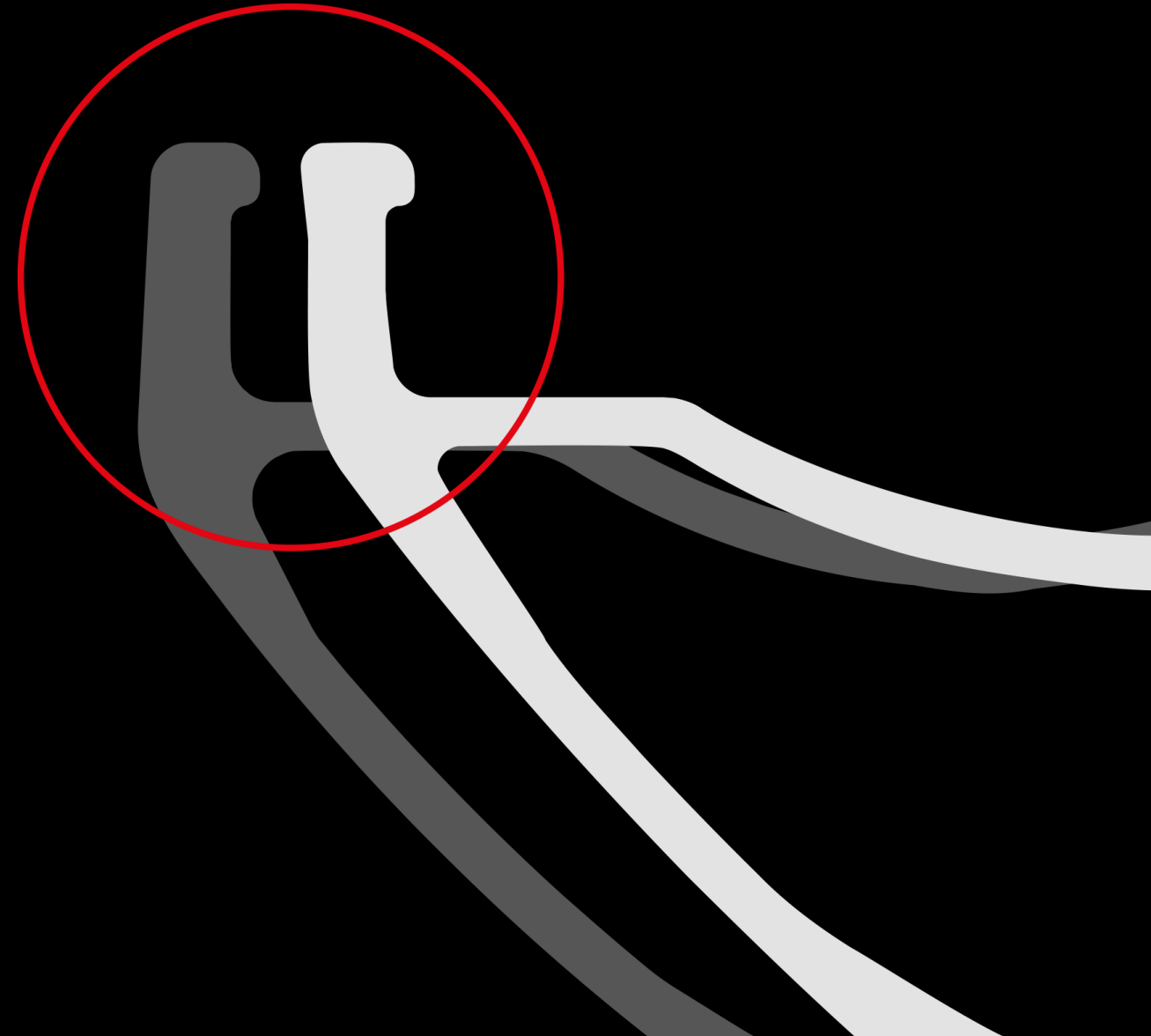
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**COMPONENTS**  
TO RIDE



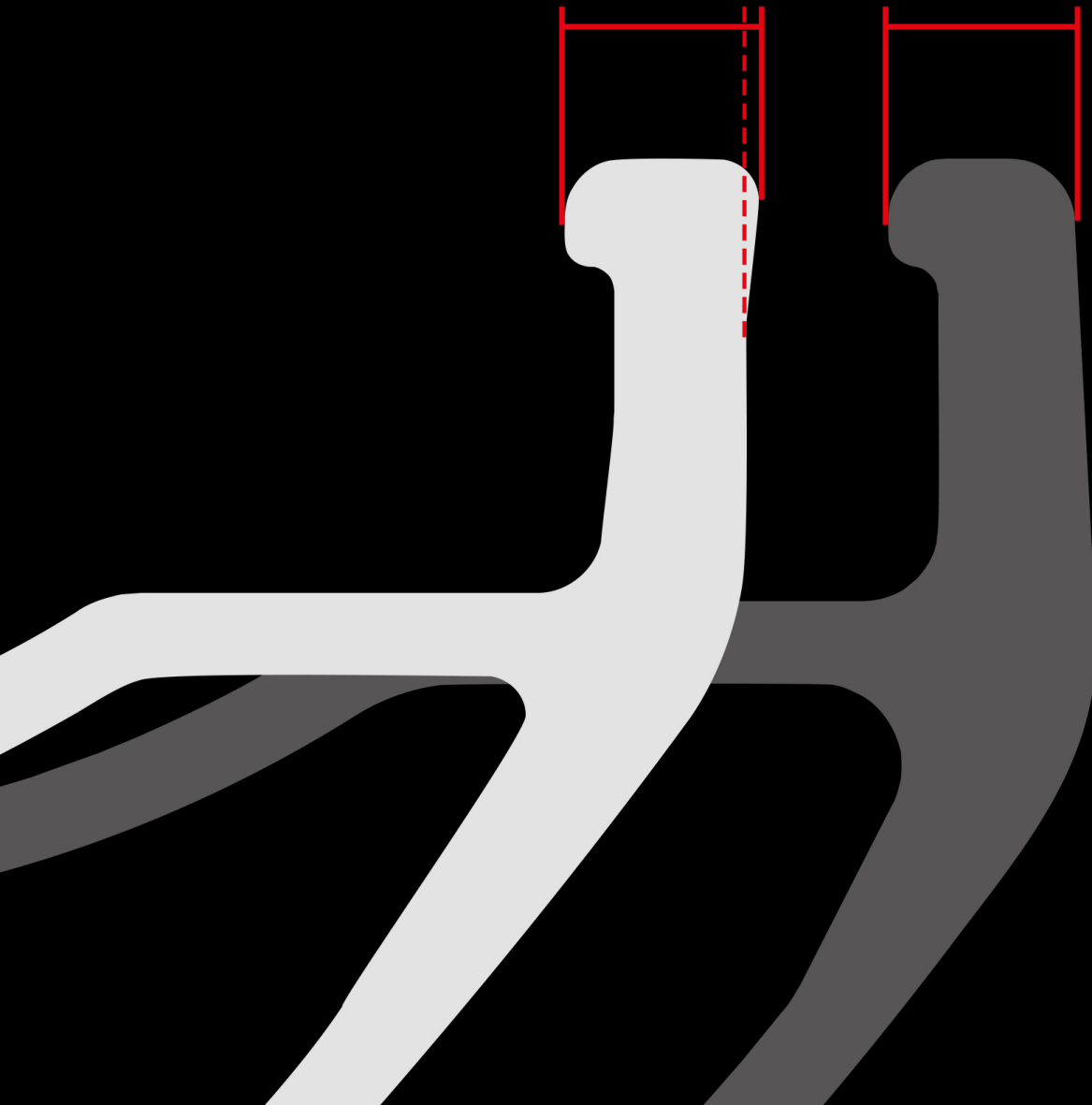
# INCREASED IMPACT RESISTANCE RIM

In order to increase the impact resistance, it was necessary to use a different profile design than the current freeride and downhill wheelset, the FR 1950 CLASSIC. Years of experience and knowledge in aluminum rim development allowed DT Swiss engineers to develop a more impact resistant rim. The profile of the FR 1500 CLASSIC rim is based on the EX rim profiles but has had material added in specific areas, increasing the overall strength of the profile to create a rim adapted and durable to the practice of freeride and downhill.



■ FR 1500 CLASSIC

■ FR 1950 CLASSIC

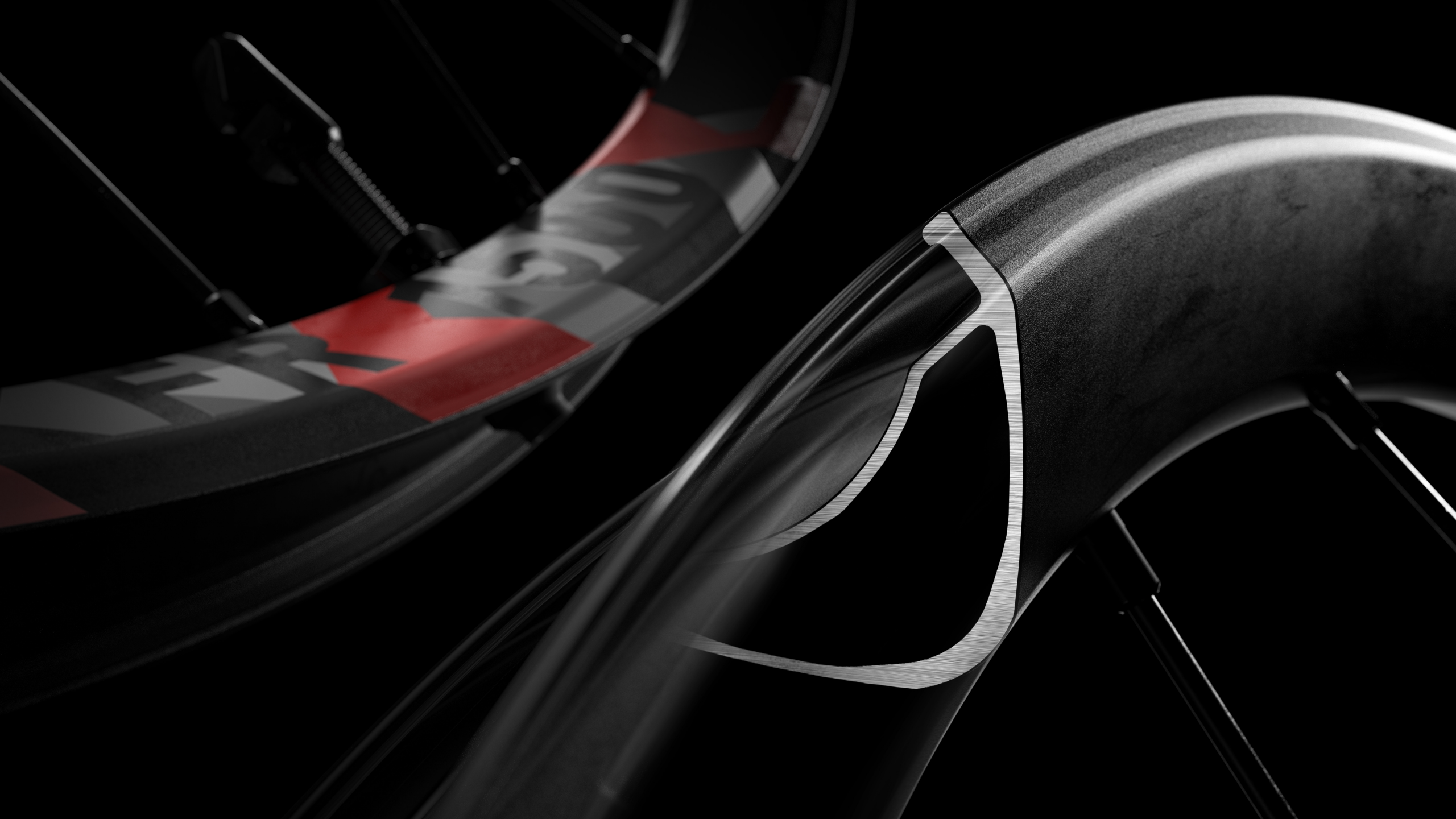


## BETTER PINCHFLAT PROTECTION RIM

The FR 1500 CLASSIC rim also benefits from a specific feature particularly adapted to its field of use: an increased protection against punctures by pinching. This feature is due to a new shape of the rim hooks where the upper part has been widened. It is precisely this sidewall that will come into contact with the tire during compression and in many cases, pierce the carcass causing air loss. The widening and correct orientation of this surface allows the shocks to be distributed over a wider area, thus reducing the risk of punctures.

■ FR 1500 CLASSIC

■ FR 1950 CLASSIC



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## RACE PROVEN SPOKES

The FR 1500 CLASSIC is built with DT competition spokes. Reinforced by the patented cold forging process, these double butted spokes are also lighter than constant diameter spokes, allowing to gain extra weight on the wheelset, in order to give the rider more agility to open new lines.





## RACE PROVEN HUBS

Used by the fastest riders on the downhill world cup circuit, the 240 equipped with the Ratchet EXP system is at the center of the FR 1500 CLASSIC. This hub offers several qualities for the riders who want to master the toughest lines on the track, such as easy serviceability, quick engagement and a contained weight.



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**PRO**  
QUOTES



## MECHANIC OPINION

«Lightweight wheels are really important to us because the rotational mass of the wheel has a significant impact on how the bike handles, particularly during cornering, acceleration, and deceleration. Therefore, having these new wheels that are lighter yet stronger is truly beneficial.»

**OWEN GWYN**

MECHANIC AT CANYON FMD RACING TEAM

**DT SWISS**

## RIDER OPINION

«I have to say, we were impressed with the new 1500's in Fort William, we all used the same wheels through the event with the addition of a set solely for race runs of course. A couple of them could now do with a rim swap but none over the weekend and that's very impressive as I am sure you realise.»

**HARRY MOLLOY**

RIDER & MANAGER

CONTINENTAL NUKEPROOF RACING TEAM



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# **SPECIFICATIONS**

## FR 1500 CLASSIC

# FR 1500 CLASSIC

<b>WHEELSIZE</b>	27.5" / 650B & 29" / 700C
<b>AXLE SYSTEM</b>	15 x 110 mm 20 x 110 mm Boost 12 x 148 mm Boost <sup>(1)</sup> 12 x 150 mm 12 x 157 mm <sup>(2)</sup>
<b>HUB TYPE</b>	240 classic with 36T Ratchet EXP System
<b>DELIVERED FREEHUB</b>	<sup>(1)</sup> Sram XD & Shimano Micro Spline <sup>(2)</sup> Sram XD & Shimano HG
<b>BRAKE INTERFACE</b>	IS 6-bolt
<b>RIM MATERIAL</b>	Aluminum
<b>INNER WIDTH</b>	30 mm
<b>SPOKE NUMBER</b>	28 front / 32 rear
<b>SPOKES</b>	DT competition, J-bend
<b>NIPPLES</b>	DT ProLock Squorx ProHead aluminum
<b>WEIGHT</b>	1928 g
<b>MAX SYSTEMWEIGHT</b>	140 kg
<b>ASTM CLASS</b>	5
<b>PRICE</b>	from: 1152.80 \$ / 899.80 € / 946.80 CHF



**PRODUCT PAGE** (available from June 8, 2023)

[www.dtswiss.com/en/wheels/wheels-mtb/freeride-downhill/fr-1500-classic](https://www.dtswiss.com/en/wheels/wheels-mtb/freeride-downhill/fr-1500-classic)

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# APPENDIX TECHNOLOGIES

# TECHNOLOGIES



**RATCHET  
TECHNOLOGIES**

[More information →](#)



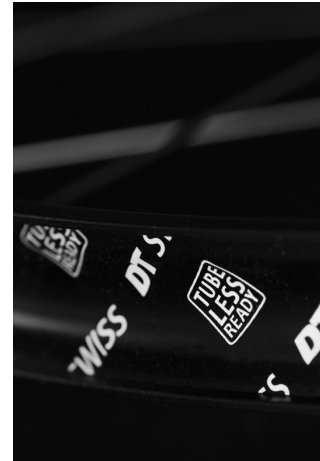
**PRO LOCK  
TECHNOLOGY**

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**BEARING  
TECHNOLOGY**

[More information →](#)



**TUBELESS  
TECHNOLOGY**

[More information →](#)



**ENGAGEMENT ANGLE  
TECHNOLOGY**

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**HAND-BUILT  
TECHNOLOGY**

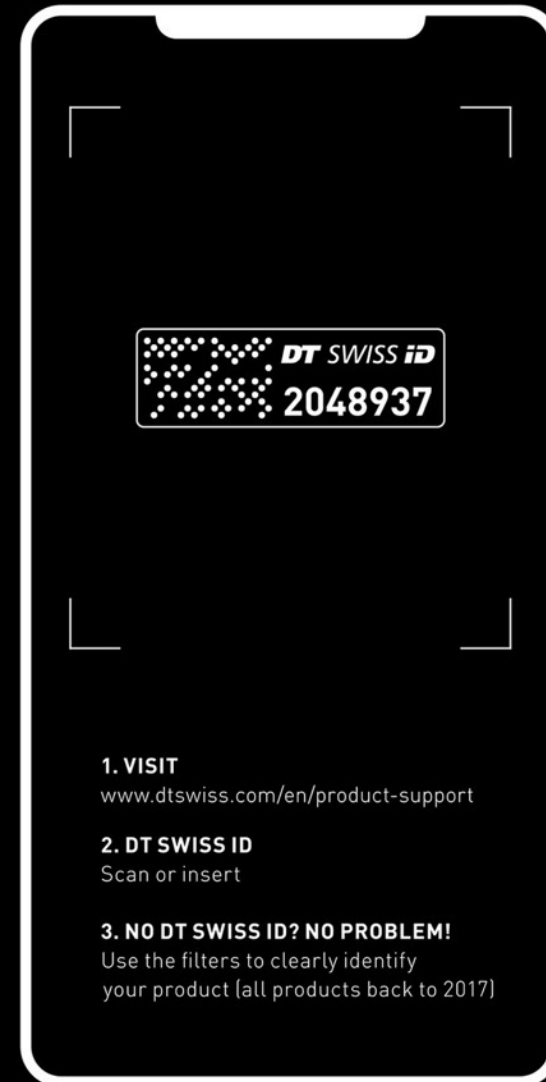
[More information →](#)



# PRODUCT SUPPORT TOOL

Find manuals, how-to videos and spare parts compatible with your DT Swiss products.

[Click for more information](#)





## PRODUCT PRESENTATION ON YOUTUBE

Discover the FR 1500 CLASSIC wheels and find out what a pro rider and team mechanics think about them!

[Click here to watch the video](#)



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ER 1500

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