

DT SWISS ENGINEERING PERFORMANCE

DT SWISS RATCHET DEG® A DIFFERENT ANGLE

EMBARGO
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DEG HUB**

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240 CLASSIC DEG



240 CLASSIC DEG
LIMITED RED EDITION

**RED EDITION
LIMITED TO
240 PIECES**



DT SWISS

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**240 CLASSIC
DEG HUB**



240 DEG HUB A DIFFERENT ANGLE

The Ratchet DEG system was designed by taking a different angle than the common high engagement freehub systems, to deliver a smaller engagement angle and maximized reliability. The simultaneous full engagement of the ratchets provides a larger contact patch than pawl hubs and thus a more balanced load distribution, resulting in higher reliability.

240 DEG HUB 4° ENGAGEMENT ANGLE

Two enlarged ratchets with 90 teeth offer the smallest engagement angle ever made in the DT Swiss portfolio: 4°. On the trail, this transmits into a different angle in the backlash. The small idle distance at the cranks allows for more direct acceleration, like out of corners, as well as the possibility to adjust the pedal position faster, like when overcoming obstacles on a technical uphill trail.



90T RATCHETS OPTIMIZED HUB

Achieving a different engagement angle from what DT Swiss has done to date required a major adaptation to the drive side of the hub. The Ratchet DEG system and its new hub body allow the installation of size optimized 90-tooth ratchets. Made of steel, the DEG ratchets are bigger than all the previous DT Swiss ratchets and aim to transmit the power of even the strongest riders for a long time and across a large contact surface.

EASIER SERVICEABILITY

The innovative construction of the 240 DEG hub allows bearing replacement without special tools, as the threaded ring does not have to be removed.

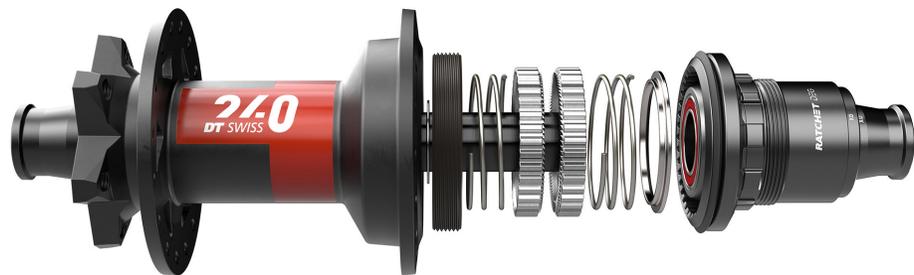


RATCHET SYSTEMS OVERVIEW

In the development of an optimal freehub system, DT Swiss believes that three factors must be considered: reliability, weight and points of engagement. Introducing Ratchet DEG, a system with more points of engagement, needed the enlargement of the hubs construction to keep the highest reliability standard, leading to an increase in weight.

The addition of the new Ratchet DEG system completes the range, positioning itself as the system with the smallest engagement angle. Alongside it, Ratchet EXP remains the system focused on weight optimization, equipping the lightest wheels in the range.

RATCHET DEG HIGH ENGAGEMENT



RATCHET EXP LIGHTEST SYSTEM



RATCHET EXP OS E-BIKE SPECIFIC SYSTEM



RATCHET ORIGINAL SYSTEM



RATCHET LN ENTRY LEVEL SYSTEM



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PRODUCT SPECIFICATIONS

240 CLASSIC DEG

WEIGHT	From 270 g
AXLE SYSTEM	12/148 mm, 12/157 mm BO+
FREEHUB SYSTEM	RATCHET DEG 90T
BRAKE INTERFACE	IS (6-bolt)
MATERIAL	Aluminum
HOLES	28, 32
FREEHUB BODY OPTIONS	Sram XD Shimano MICRO SPLINE
PRICE	Rear: from 376.90 € / 499.90 \$ / 396.90 CHF / 354.99 £ / 599.00 AUD



240 CLASSIC DEG RED

WEIGHT	Front: 143 g Rear: 270 g
AXLE SYSTEM	Front: 15/110 mm Rear: 12/148 mm
FREEHUB SYSTEM	RATCHET DEG 90T
BRAKE INTERFACE	IS (6-bolt)
MATERIAL	Aluminum
HOLES	32
FREEHUB BODY OPTIONS	Sram XD
PRICE	Front: from 229.90 \$ / 169.90 € / 178.90 CHF / 159.99 £ / 289.00 AUD Rear: from 499.90 \$ / 376.90 € / 396.90 CHF / 354.99 £ / 599.00 AUD

LIMITED TO 240 PIECES, AVAILABLE FROM LAUNCH UNTIL STOCK LASTS



WHEELS UPDATE

The XMC 1501 SPLINE ONE and EXC 1501 SPLINE ONE wheels are currently available with the Ratchet EXP system and will be available with the Ratchet DEG system.



EXC 1501 SPLINE® ONE

PRODUCT PAGE (available from December 13, 2023)
[www.dtswiss.com/en/wheels/wheels-mtb/
enduro/exc-1501-spline-one](http://www.dtswiss.com/en/wheels/wheels-mtb/enduro/exc-1501-spline-one)



XMC 1501 SPLINE® ONE

PRODUCT PAGE (available from December 13, 2023)
[www.dtswiss.com/en/wheels/wheels-mtb/
all-mountain/xmc-1501-spline-one](http://www.dtswiss.com/en/wheels/wheels-mtb/all-mountain/xmc-1501-spline-one)

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TECHNOLOGIES

TECHNOLOGIES



RATCHET TECHNOLOGIES

OVERVIEW

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RATCHET DEG SYSTEM

TECHNOLOGY

[More information →](#)



ENGAGEMENT ANGLE

TECHNOLOGY

[More information →](#)



BEARING

TECHNOLOGY

[More information →](#)



RATCHET DIE

1/2"

1/2"

4

EXPERT
OPINIONS



WORLD ENDURO CHAMPION OPINION

«During my career I have mostly been on DT Swiss hubs or wheels. The rims or the hubs in particular are a no-brainer. When racing Enduro, I concentrate on the most important thing: winning the race if possible! For that I have to trust the products used 100%, even when I need a rock for a trail side repair. I have this confidence in DT Swiss hubs and the new 240 ratchet DEG helps to gain speed on a broader variety of trail types as the faster engagement enables spontaneous acceleration in crucial places. I found the pedal kickback to be more linear with the 4° engagement angle.»

JACK MOIR
YT MOB

DT SWISS

WORLD ENDURO RIDER OPINION

«When it comes to quality and durability, I have always been a fan of DT Swiss products, especially the 240 hubs. However, developments in rear end efficiency have made it necessary to experiment with hubs that have a smaller engagement angle. With the DT Swiss 240 Ratchet DEG hubs, the Swiss now offer the perfect compromise. With the new hubs, the rear end is efficient and I can accelerate perfectly out of corners thanks to the quick engagement.»

CHRISTIAN TEXTOR
YT MOB





YOUR CONTACT

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