

DT SWISS RATCHET DEG® A DIFFERENT ANGLE

EMBARGO
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PATENT PENDING

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**240 CLASSIC
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.

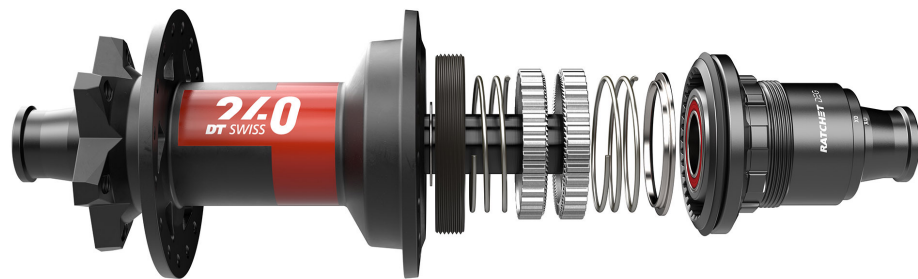


RATCHET SYSTEMS OVERVIEW

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



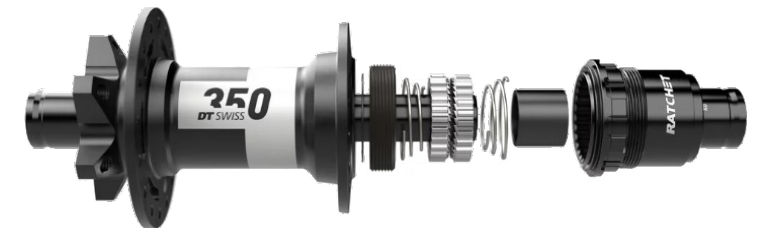
RATCHET EXP
LIGHTEST SYSTEM



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 |



PRODUCT PAGE (available from December 13, 2023)

www.dtswiss.com/en/components/hubs-and-rws/hubs-mtb/240

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

[More information →](#)



RATCHET DEG SYSTEM
TECHNOLOGY

[More information →](#)



ENGAGEMENT ANGLE
TECHNOLOGY

[More information →](#)



BEARING
TECHNOLOGY

[More information →](#)



RATCHET DIE

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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

For more information, please contact your
DT Swiss representative or contact us directly.

FRISO LORSCHIEDER
MTB MARKETING MANAGER
+41 32 344 67 54
florscheider@dtswiss.com

DT SWISS AG
Längfeldweg 101
2504 Biel/Bienne
Switzerland

DT SWISS *ENGINEERING PERFORMANCE*