

DT SWISS *ENGINEERING PERFORMANCE*

EMBARGO
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ALUMINUM RECREATION



1

**EXECUTIVE
SUMMARY**

P. 5

2

**COMPONENTS
RECREATED**

P. 9

3

**PRODUCTS
SPECIFICATIONS**

P. 16

4

TECHNOLOGIES

P. 30



ER 1400 DICUT® 25



ER 1600 SPLINE® 23



GR 1600 SPLINE® 25



PR 1600 SPLINE® 23



E 1800 SPLINE® 23



G 1800 SPLINE® 25



P 1800 SPLINE® 23



C 1800 SPLINE® 23

1

EXECUTIVE SUMMARY



DT SWISS

THE **RECREATION** OF OUR ALUMINUM RANGE

At the end of the day, every cyclist chases the same recreational moment provided by their favorite sport, regardless of their differing ambitions and preferences.

With the goal of enhancing this experience and making the joy of cycling even more accessible, we have recreated our benchmark range of aluminum wheels with a series of upgrades.

Our entry-level range of wheels now offer improved comfort, convenience, and durability, serving as the ideal companion for your next ride, no matter where the road may take you.





RECREATION FEATURES

WIDER RIMS

Our Endurance and Performance lines feature wider rims than their predecessors for more comfort when paired with wide tires.

NEW SPOKES

Riding fast feels a bit easier thanks to the aerodynamic shape of the DT new aero® II Straightpull.

UPGRADED HUBS

The Ratchet is now integrated into the 1800 SPLINE line, the new 350 road hub is featured in the 1600 SPLINE line, and the Ratchet EXP system has been implemented in the upgraded 1400 DICUT line.

TUBELESS READY

All aluminum rims are tubeless ready, further enhancing the benefits of wider rims.

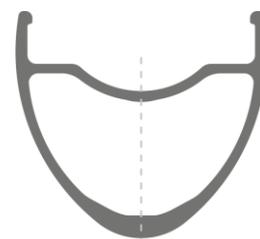
2

COMPONENTS
RECREATED



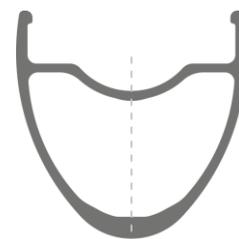
WIDER RIMS

Why wide? A wider rim inner width provides improved tire support which allows lower tire pressure and leads to less rolling resistance. This results in a more comfortable ride, and who does not like some comfort?



ENDURANCE R 500

The ER 1600 SPLINE and E 1800 SPLINE come with a 22mm inner rim width, the R 500. This rim wider than its predecessor provides better tire support and allows you to ride with lower tire pressure. The ideal tire width is between 28 and 34mm. This will support your riding, day in and day out, for thousands of miles. Ideal for enjoying your next endurance ride.



PERFORMANCE R 470

The R 470 is ideal for the well-maintained roads for which the PR 1600 SPLINE and P 1800 SPLINE are intended. The light rim is 20mm wide and 23mm high and supports perfectly with wide tires. With an ideal price/performance ratio this rim will accompany you on many joyful rides on the road thanks to its reliability.

DT SWISS

NEW SPOKES

Riding fast feels a little easier thanks to the DT new aero® II Straightpull. Their shape is more elliptical, giving them an aerodynamic advantage over the previous model. But this is all for nothing if it is not combined with the hidden force... In fact, spoke tension is an essential factor in ensuring the quality and durability of a wheel. Done well, it gives the rider precise steering and the ability to accelerate. It can be guaranteed by the hand-built construction of all our wheels.





UPGRADED HUBS

1400 DICUT®

The DICUT hub is our top of the line hub technology. It offers aerodynamic performance thanks to its shape and patented two-in-one spoke holes. Meanwhile, the Ratchet EXP system not only increases reliability but also reduces weight by fusing the Ratchet and threaded ring into a single component.

RATCHET EXP



DT SWISS

UPGRADED HUBS 1600 SPLINE®

The 1600 SPLINE models are now assembled with our new 350 road hub, which gives them an update from 18T to 36SL Ratchet. This means more teeth, lower engagement angle and therefore faster engagement. In addition, the redesigned end caps make the small hub service easier.

RATCHET





UPGRADED HUBS 1800 SPLINE®

On their side, the 1800 SPLINE models will now feature the 370 hubs with the Ratchet LN freehub system. In addition to the legendary sound of DT Swiss rear hubs, the Ratchet also provides the valued reliability of the freehub system. Compared to pawl freehub systems, the Ratchet System offers a larger contact surface when engaged, ensuring reliability. Forces can be evenly distributed over a larger area and lower peak loads are achieved. The result is greater durability, allowing riders to focus on enjoying their ride.

RATCHET LN



DT SWISS

TUBELESS READY

Enhancing the advantage of wider rims, all our aluminum rims are tubeless ready. Mounted with a tubeless tire, it will avoid snakebites, and allow you to ride at lower tire pressure, resulting in more comfort, thanks to the lower rolling resistance.

Using our tubeless sealant will let the tire to self-seal stings and small cuts, letting you enjoy the freedom of riding far from the next bike shop without worrying about it.

[Click here to learn more](#)



3

PRODUCTS SPECIFICATIONS

ENDURANCE LONG DAYS OUT

Endurance means to pursue a goal, no matter what might happen on the way. The new DT Swiss Endurance line is designed with this goal in mind. It unites top notch performance with comfort and reliability. Now bring on the cracks in the tarmac, rain and headwind situations.



ER 1400 DICUT® 25

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	240 DICUT® with 36T Ratchet EXP System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road (SRAM XDR included)
RIM	Aluminum, welded rim joint, hooked bead, tubeless ready
RIM DIMENSION	622 x 22 mm
RIM HEIGHT	25 mm
SPOKE FRONT	T-head spokes, DT aerolite®, black
SPOKE REAR	T-headspokes, DT aero comp®, black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 723 g / 866 g
MAX SYSTEMWEIGHT	120 kg
ASTM CLASS	2
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black, SRAM XDR Road freehub body kit
PRICE	From 899 € / 1121 \$



ER 1600 SPLINE® 23

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	350 Straightpull with 36T Ratchet SL System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	622 x 22 mm
RIM HEIGHT	23 mm
SPOKE FRONT	DT aero comp® wide straightpull, black
SPOKE REAR	DT aero comp® wide straightpull, black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 788 g / 879 g
MAX SYSTEMWEIGHT	120 kg
ASTM CLASS	2
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 599 € / 757 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/endurance/er-1600-spline>

E 1800 SPLINE® 23

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	370 Straightpull with 18T Ratchet LN System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	622 x 22 mm
RIM HEIGHT	23 mm
SPOKE FRONT	DT new aero® II straightpull; black
SPOKE REAR	DT new aero® II straightpull; black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 829 g / 935 g
MAX SYSTEMWEIGHT	120 kg
ASTM CLASS	2
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 429 € / 542 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/endurance/e-1800-spline>

GRAVEL ADVENTURES

Being out and about. Experiencing the simple joys of exploring and the fun of cycling - away from the streets and traffic. Whether it's on a quick after-work ride, a weekend trip or a bikepacking tour lasting several weeks: Gravel gives you the freedom to experience the world on two wheels in a new way. The possibilities are endless, the adventure starts right at your doorstep.



GR 1600 SPLINE® 25

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	350 Straightpull with 36T Ratchet SL System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road, Shimano MicroSpline, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	584 x 24 mm
	622 x 24 mm
RIM HEIGHT	25 mm
SPOKE FRONT	DT aero comp® wide straightpull, black
SPOKE REAR	DT aero comp® wide straightpull, black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 799 g / 905 g
MAX SYSTEMWEIGHT	130 kg
ASTM CLASS	2
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 599 € / 757 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/gravel/gr-1600-spline>

G 1800 SPLINE® 25

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	370 Straightpull with 18T Ratchet LN System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road, Shimano MicroSpline, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	584 x 24mm
	622 x 24 mm
RIM HEIGHT	25 mm
SPOKE FRONT	DT aero comp® wide straightpull, black
SPOKE REAR	DT aero comp® wide straightpull, black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 864 g / 971 g
MAX SYSTEMWEIGHT	130 kg
ASTM CLASS	2
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 429 € / 542 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/gravel/g-1800-spline>

PERFORMANCE LEAD THE RIDE

Performance is the part of your energy that is brought to the road, emphasized by DT Swiss Performance wheels. Just what you need when you are leading your buddies up epic mountain roads or when making the decisive move on the days last descent.



PR 1600 SPLINE® 23

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	350 Straightpull with 36T Ratchet SL System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	622 x 20 mm
RIM HEIGHT	23 mm
SPOKE FRONT	DT aero comp® wide straightpull, black
SPOKE REAR	DT aero comp® wide straightpull, black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 739 g / 826 g
MAX SYSTEMWEIGHT	120 kg
ASTM CLASS	1
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 599 € / 757 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/performance/pr-1600-spline>

P 1800 SPLINE® 23

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	370 Straightpull with 18T Ratchet LN System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	622 x 20 mm
RIM HEIGHT	23 mm
SPOKE FRONT	DT new aero® II straightpull; black
SPOKE REAR	DT new aero® II straightpull; black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 783 g / 890 g
MAX SYSTEMWEIGHT	120 kg
ASTM CLASS	1
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 429 € / 542 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/performance/p-1800-spline>

P 1800 SPLINE® 23 RB

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 130 mm
HUB	370 Straightpull with 18T Ratchet LN System
BRAKE INTERFACE	Rim Brake
FREEHUB BODY OPTIONS	Shimano Road, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	622 x 18 mm
RIM HEIGHT	23 mm
SPOKE FRONT	DT aero comp® wide straightpull; black
SPOKE REAR	DT aero comp® wide straightpull, DT new aero® straightpull; black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING FRONT	24 x radial
LACING BACK	24 x 2-cross
WEIGHT FRONT / REAR	From: 694 g / 896 g
MAX SYSTEMWEIGHT	130 kg
ASTM CLASS	1
ACCESSORIES INCLUDED	RWS ECO Synth., DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 429 € / 542 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/performance/p-1800-spline>

CROSS ROAD OFF THE BEATEN ROADS

Cross Road stands for those «there may be a road» rides. Inspired by the tough world of cyclocross, DT Swiss Cross Road wheels perform on any surface, whether you choose to explore new roads or that muddy double track that ends up to be a single trail. So where was that road again?



C 1800 SPLINE® 23

FRONT WHEEL	12 / 100 mm
REAR WHEEL	12 / 142 mm
HUB	370 Straightpull with 18T Ratchet LN System
BRAKE INTERFACE	Disc, Center Lock
FREEHUB BODY OPTIONS	Shimano Road, SRAM XDR
RIM	Aluminum, sleeved rim joint, hooked bead, tubeless ready
RIM DIMENSION	622 x 22 mm
RIM HEIGHT	23 mm
SPOKE FRONT	DT new aero® II straightpull; black
SPOKE REAR	DT new aero® II straightpull; black
NIPPLES	DT ProLock® Squorx ProHead alu
LACING	24 x 2-cross
WEIGHT FRONT / REAR	From: 828 g / 935 g
MAX SYSTEMWEIGHT	120 kg
ASTM CLASS	2
ACCESSORIES INCLUDED	DT Swiss tubeless ready tape (mounted), DT Swiss tubeless valve alu black
PRICE	From 429 € / 542 \$



PRODUCT PAGE (available from August 8, 2023)

<https://www.dtswiss.com/en/wheels/wheels-road/cross-road/c-1800-spline>

4

TECHNOLOGIES

TECHNOLOGIES



**RATCHET
TECHNOLOGIES**

[More information →](#)



**TUBELESS
TECHNOLOGY**

[More information →](#)



**BEARING
TECHNOLOGY**

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**SPOKE
TECHNOLOGY**

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**HAND-BUILT
TECHNOLOGY**

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