

**DT SWISS** ENGINEERING PERFORMANCE

GRAVEL DYNAMO

# BRING NEW ADVENTURES TO LIGHT

**EMBARGO**  
NOVEMBER 20, 2024  
3 PM CET

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**GR 1600** SPLINE® DYN



**G 1800** SPLINE® DYN



**350** SP PL-7

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# EXECUTIVE SUMMARY



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**DT SWISS**

# BRING NEW ADVENTURES TO LIGHT

Rolling through the golden hour of a summer night, you feel as free as the wind. The sun dips below the horizon, but the magic of the day lingers, drawing you to explore further. Without a thought, your bike light flickers on, bringing new paths to light as you discover places you've never been before. How? Your new wheels are equipped with a dynamo hub that smoothly converts the energy of your pedal strokes into electric light. This self-sufficient system ensures that your adventures are limited only by your imagination.





## DYNAMO HUB FEATURES

### **DYNAMO**

What makes the dynamo hub special is hidden in his hub shell. From a distance, what looks like a standard hub when fitted to your wheelset is actually hiding a dynamo.

### **EFFICIENCY**

As one of the most efficient technology on the market, our dynamo hub with the SP PL-7 generator achieve an efficiency of 72% at 15 km/h, while delivering a 6V3W standard output.

### **DURABILITY**

With a tailor-made hub shell, you can rely on the build quality you have come to expect from DT Swiss hubs, while benefiting from our global network of service centres for a seamless customer journey.

### **COMPATIBILITY**

Our new front Dynamo Hub being StVZO compliant with a 6V3W rating, ensures compatibility with standard hub dynamo products including dynamo lamps and converters for USB powered devices.

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**EFFICIENCY**

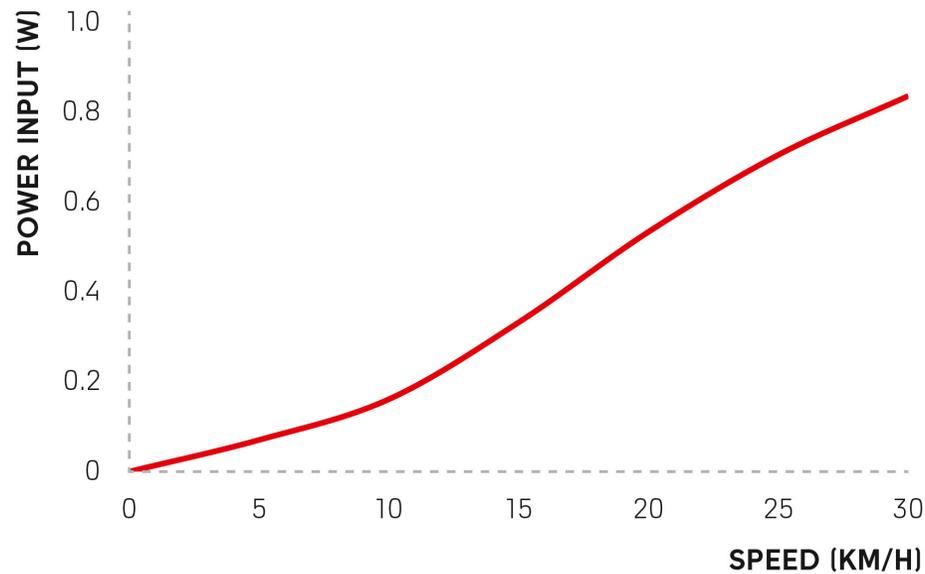


## **EFFICIENCY**

The dynamo hub generates electricity from the rotation of the front wheel to power your lights and other electrical devices. This adds some resistance, but thanks to the design of the hub shell and the efficiency of the SP PL-7, it has a minimal effect on your ride. Efficiency is measured both with the light on and off.

# EFFICIENCY WHEN LIGHT OFF

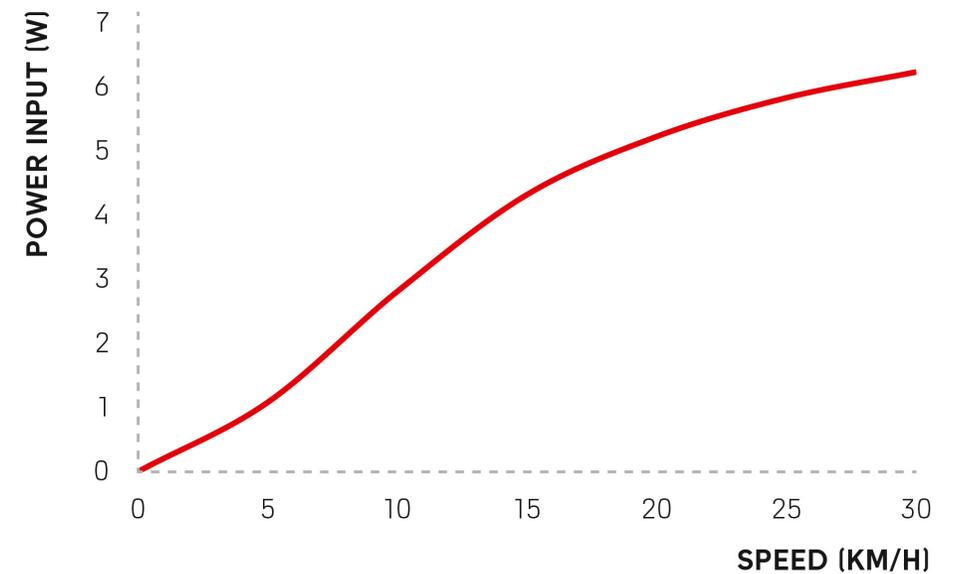
With the lights or power consumption off, the increase in resistance caused by the front dynamo hub is minimal and remains below 1 watt (W) up to a speed of 30 km/h. This slight increase is barely noticeable while bikepacking.



— 350 SP PL-7

# EFFICIENCY WHEN LIGHT ON

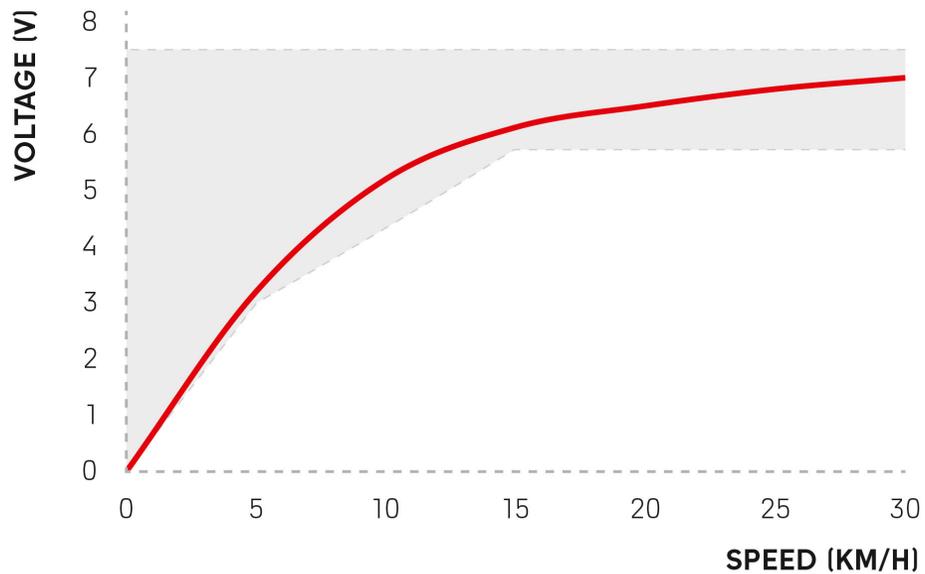
When the lights are on, the resistance increases as the generator produces electricity to power your lights.



— 350 SP PL-7

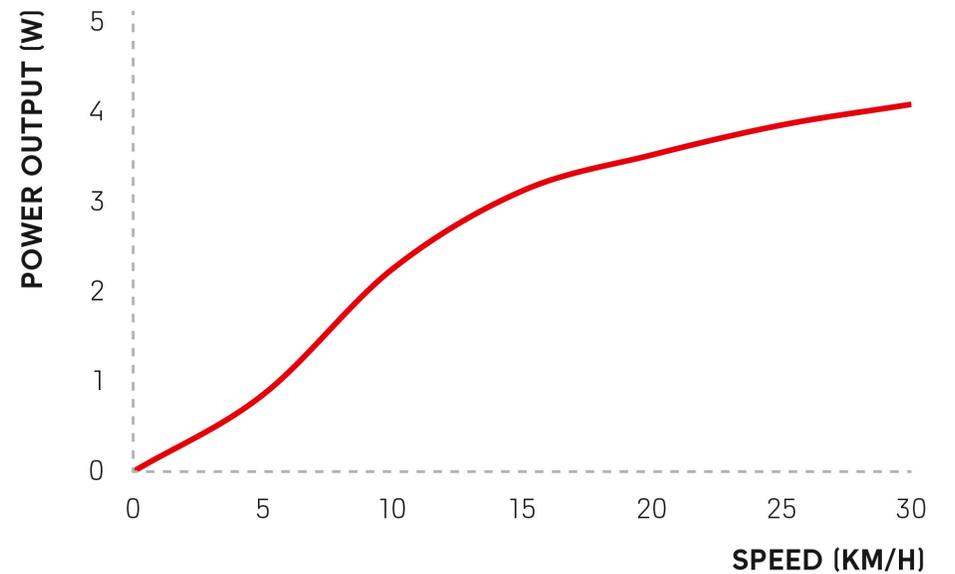
Our 350 dynamo hub with the SP PL-7 generator incorporates one of the most efficient technologies. At 15 km/h, while delivering a standard output of 6 volt/3 watts (6V3W), it achieves an efficiency of 72 %. So, for an output of 3 watts, 4.2 watts of your rolling power are used to power the lights.

**VOLTAGE OUTPUT 700 C WHEEL (STVZO TEST)**



— 350 SP PL-7    ■ STVZO

**POWER OUTPUT (STVZO TEST)**



— 350 SP PL-7



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**DURABILITY**



**DT SWISS**

## DURABILITY

With a tailor-made hub shell, you can rely on the build quality you expect from DT Swiss hubs, with the added technology of Shutter Precision. With its rugged construction, the dynamo hub is ready to withstand the rigors of your off-road riding, including rough terrain, heavy loads and exposure to the elements.

Should your dynamo hub require service, you can rely on our worldwide service network of DT Swiss Service Centers.



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# COMPATIBILITY



## STVZO COMPLIANCE

The front dynamo hub is compliant with German road traffic regulations (StVZO). It is designed to provide adequate visibility for riders and other road users, reducing the risk of accidents.

Additionally, their 6V3W rating ensures compatibility with standard hub dynamo products including dynamo lamps and converters for USB powered devices.



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# PRODUCT SPECIFICATIONS

# GR 1600 SPLINE® DYN

<b>FRONT WHEEL</b>	12 / 100 mm
<b>HUB</b>	350 Straightpull Dynamo Shutter Precision PL-7; 6V3W output
<b>BRAKE INTERFACE</b>	Disc, Center Lock
<b>RIM</b>	Aluminum, welded rim joint, tubeless ready
<b>RIM DIMENSION</b>	622 x 24 mm
<b>RIM HEIGHT</b>	25 mm
<b>SPOKES</b>	DT aero comp® wide straightpull, black
<b>NIPPLES</b>	DT Pro Lock®, Squorx Pro Head
<b>LACING</b>	24 x 2-cross
<b>WEIGHT</b>	1.075 g
<b>MAX. SYSTEM WEIGHT</b>	130 kg
<b>ASTM</b>	2
<b>ACCESSORIES INCLUDED</b>	Tubeless tape (mounted), tubeless valve, wire connector
<b>FRONT WHEEL</b>	12 / 100 mm
<b>PRICE</b>	From € 320.90 / \$ 442.90



**PRODUCT PAGE** (available from November 20, 2024)

[www.dtswiss.com/en/wheels/wheels-road/gravel/gr-1600-spline](http://www.dtswiss.com/en/wheels/wheels-road/gravel/gr-1600-spline)

# G 1800 SPLINE® DYN

<b>FRONT WHEEL</b>	12 / 100 mm
<b>HUB</b>	350 Straightpull Dynamo Shutter Precision PL-7; 6V3W output
<b>BRAKE INTERFACE</b>	Disc, Center Lock
<b>RIM</b>	Aluminum, sleeved rim joint, tubeless ready
<b>RIM DIMENSION</b>	622 x 24 mm
<b>RIM HEIGHT</b>	25 mm
<b>SPOKES</b>	DT aero comp® wide straightpull, black
<b>NIPPLES</b>	DT Pro Lock®, Squorx Pro Head
<b>LACING</b>	24 x 2-cross
<b>WEIGHT</b>	1.098 g
<b>MAX. SYSTEM WEIGHT</b>	130 kg
<b>ASTM</b>	2
<b>ACCESSORIES INCLUDED</b>	Tubeless tape (mounted), tubeless valve, wire connector
<b>FRONT WHEEL</b>	12 / 100 mm
<b>PRICE</b>	From € 248.90 / \$ 342.90



**PRODUCT PAGE** (available from November 20, 2024)

[www.dtswiss.com/en/wheels/wheels-road/gravel/g-1800-spline](http://www.dtswiss.com/en/wheels/wheels-road/gravel/g-1800-spline)

# 350 SP PL-7

<b>WEIGHT</b>	376 g
<b>AXLE SYSTEM</b>	12/100 mm
<b>BRAKE INTERFACE</b>	Center Lock
<b>MATERIAL</b>	Aluminum
<b>HOLES</b>	24
<b>OUTPUT</b>	6 volts max. 3 watts
<b>ADDITIONAL INFORMATION</b>	Designed in cooperation with Shutter Precision Based on PL-7 model with DT Swiss Straightpull shape
<b>ACCESSORIES INCLUDED</b>	Wire connector
<b>PRICE</b>	From € 174.90 / \$ 236.90



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# TECHNOLOGIES

# TECHNOLOGIES



**RATCHET  
TECHNOLOGIES**

[More information →](#)



**TUBELESS  
TECHNOLOGY**

[More information →](#)



**BEARING  
TECHNOLOGY**

[More information →](#)



**SPOKE  
TECHNOLOGY**

[More information →](#)



**HAND-BUILT  
TECHNOLOGY**

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