

Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 1

BMW Motorrad Presents the New BMW F 450 R.
Lightweight, Agile and Characterful Naked Bike for Pure Riding Pleasure.



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Munich. "The BMW F 450 R has everything that defines a true BMW naked bike: performance, precision, and pure riding pleasure. It is light, agile, and full of character. We have developed a motorcycle that inspires confidence from the outset while also generating a lot of excitement. With the F 450 R, we are bringing our decades-long naked bike tradition into a compact and especially accessible format."

Markus Flasch, CEO BMW Motorrad

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Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 2

The new BMW F 450 R: A dynamic naked bike for the 48-hp class—developed for maximum riding pleasure and featuring iconic BMW design language.

The new BMW F 450 R for the 48-hp class was developed as a standalone naked bike within the BMW F 450 model family. The focus was on signature BMW riding pleasure, enabled by a carefully engineered chassis and geometry layout, rigorous weight optimization, and a powerful parallel-twin engine. Its design clearly follows the current design language of the high-performance S 1000 R naked bike and visually underscores its sporty ambitions.

Smooth and characterful parallel-twin engine with a 135-degree crankpin offset for dynamic riding pleasure.

At the heart of the new BMW F 450 R is the newly developed fuel-injected parallel-twin engine first used in the F 450 GS, together with a stainless-steel underfloor muffler. For use in the F 450 R, it has been specifically tuned for road riding and gives the motorcycle a particularly distinctive sound. With an output of 35 kW (48 hp) at 8,750 rpm and maximum torque of 43 Nm at 6,750 rpm, the new F 450 R delivers powerful acceleration and confident roll-on performance. As much as 80 percent of the available torque is already on tap at 3,000 rpm, providing strong propulsion from low engine speeds. High-tech materials and optimized internal friction make these performance figures possible from exactly 420 cc. This makes the engine one of the most compact and powerful units in the A2 parallel-twin segment. It not only meets the stringent Euro 5+ requirements, but is also particularly efficient, with fuel consumption of just 3.8 liters per 100 km. With its 14-liter fuel tank, the F 450 R achieves a range of more than 350 km. The service interval is the BMW Motorrad-standard 10,000 km.

Easy Ride Clutch (ERC) for a significant increase in operating and riding comfort.

The optional Easy Ride Clutch (ERC) engages the clutch according to engine speed, increasing comfort and control—especially in urban traffic,

Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 3

while maneuvering, and on winding country roads. In combination with Shift Assistant Pro, it enables riding and shifting without manual clutch operation; the clutch lever remains available for deliberate rider input.

Six-speed transmission and left-side secondary drive. Shift Assistant Pro for fast upshifts and downshifts without operating the clutch.

The six-speed transmission transfers torque to the left-side secondary drive via an X-ring chain. For rapid upshifts and downshifts without operating the clutch, the new F 450 R is equipped with Shift Assistant Pro in every equipment variant except the base model. It can be retrofitted to the base model.

ABS Pro, DBC, DTC, and MSR, plus the "Rain," "Road," and "Dynamic" riding modes as standard—delivering a high level of riding pleasure and safety.

The standard "Rain," "Road," and "Dynamic" riding modes allow riders to tailor the new BMW F 450 R to their individual preferences. ABS Pro, Dynamic Brake Control (DBC), Dynamic Traction Control (DTC), and engine drag torque control (MSR) are also standard.

Chassis with a tubular steel space frame for high rigidity, robustness, and riding precision. Naked bike-specific tuning and a short wheelbase for agile, playful turn-in behavior.

The new BMW F 450 R also uses the newly developed BMW F 450 GS chassis concept as its technical foundation, with a setup tailored specifically to road use. The tuning focused on easy handling, excellent accessibility, and direct feedback. The tubular frame is made of welded steel tubes and forged components, with the parallel-twin engine integrated as a load-bearing element.

Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 4

Front wheel control via KYB upside-down telescopic fork and rear wheel control via an aluminum hollow-cast double-sided swingarm with a KYB central spring strut.

At the front, a torsionally rigid 43 mm KYB upside-down telescopic fork controls the wheel. On the so-called "Sport Suspension," the fork offers adjustable rebound and compression damping.

At the rear, the wheel is guided by a closed, highly torsion-resistant yet lightweight hollow-cast aluminum double-sided swingarm. It is paired with a directly mounted KYB central spring strut with adjustable spring preload and rebound damping.

Wheels and tires designed for dynamic riding pleasure.

The new BMW F 450 R rides on lightweight yet robust cast-aluminum wheels. The naked bike is fitted with tubeless tires measuring 110/70-17 at the front and 150/60-17 at the rear.

Powerful braking system combined with BMW Motorrad ABS Pro for safe braking, even when leaned over. Dynamic Brake Control (DBC) and the dynamic brake light provide additional safety features.

At the front wheel of the new BMW F 450 R, a floating single-disc brake with a Brembo four-piston monobloc fixed caliper and a 310 mm brake disc provides confident and efficient deceleration. At the rear, a single-disc brake with a floating ByBre single-piston caliper and a 240 mm disc is used.

BMW Motorrad ABS Pro is standard on the new BMW F 450 R. The system enables ABS-assisted braking when leaned over, increasing safety in corners. Dynamic Brake Control (DBC) enhances safety during braking in challenging situations by preventing unintended throttle application. The dynamic brake light effectively alerts following vehicles that the motorcycle ahead is slowing down.

Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 5

Optimal ergonomics and equipment for comfortable, playfully agile riding enjoyment on the road.

A carefully engineered ergonomic triangle and a tapered aluminum handlebar positioned high and close to the rider provide an ideal riding position in all conditions. The bodywork and the 14-liter fuel tank beneath it are shaped for secure support and effective knee grip.

The new BMW F 450 R comes standard with a two-piece seat at a height of 790 mm, offering most riders an ideal balance of comfort and performance. Ergonomics can be customized with Original BMW Motorrad Accessories: the high Sport rider's seat raises the seating position by 20 mm, while the low rider's seat lowers it by 15 mm. The gearshift lever, footbrake lever, and side stand are made of forged aluminum. The passenger footpeg brackets are bolted to the rear frame—an exceptional feature in this vehicle class.

Reversible shift pattern for an extra dose of sportiness and a true racing feel.

For an extra dose of sportiness, the shift pattern can be reversed quickly and with minimal effort—ideal for occasional track outings.

Powerful LED headlight and LED lighting as standard. Connectivity with comprehensive information and functionality through a large, perfectly legible 6.5-inch TFT display. Practical USB-C port in the cockpit area.

The new BMW F 450 R comes standard with an LED headlight featuring bracket-shaped daytime running light LEDs. The turn indicators and taillight of the new F 450 R also use LED technology.

The standard 6.5-inch TFT display on the new BMW F 450 R offers a wide range of information, brilliant display quality, and intuitive operation at a premium level. The TFT display features the Pure Ride Screen. M Sport variants with Riding Modes Pro also offer three additional Sport screens with detailed information on DTC, braking force, and lean angle,

Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 6

as well as a lap timer function. Riders can also make phone calls, listen to music, and navigate conveniently while riding.

Four attractive equipment variants for the new BMW F 450 R.

The new BMW F 450 R is available in four equipment variants. The **BMW F 450 R Base** model is finished in Cosmic Black. Also finished in Cosmic Black, the **BMW F 450 R Exclusive** additionally features Shift Assistant Pro and the Sport Suspension. The range-topping models are the **BMW F 450 R M Sport** and the **BMW F 450 R M Sport with Innovation Package** (including Easy Ride Clutch), in Snaefell white / M Motorsport, including Riding Modes Pro, Shift Assistant Pro, and the Sport Suspension. Their white frame and rim stickers in M Motorsport colors create distinctive visual accents.

Highlights of the new BMW F 450 R:

- Development focus: maximum riding pleasure through excellent handling, strong performance, rigorous weight optimization, and optimal accessibility.
- Outstanding power-to-weight ratio in the A2 class: 48 hp with a ready-to-ride weight of just 175 kg.
- Parallel-twin engine producing 35 kW (48 hp) at 8,750 rpm and maximum torque of 43 Nm at 6,750 rpm.
- Lightweight, characterful engine with excellent smoothness thanks to a balance shaft and 135-degree crankpin offset, combined with a rigorous lightweight design.
- Four attractive equipment variants:
 - **BMW F 450 R Base.**
 - **BMW F 450 R Exclusive** (including Shift Assistant Pro and Sport suspension).
 - **BMW F 450 R M Sport** (including Riding Modes Pro, Shift Assistant Pro, and Sport suspension).

Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 7

- **BMW F 450 R M Sport with Innovation Package**
(including ERC, Riding Modes Pro, Shift Assistant Pro, and Sport suspension).
- Easy Ride Clutch (ERC) for a significant increase in ease of use, riding comfort, and performance: available ex-factory for M Sport as part of the Innovation Package; retrofittable to all other variants as an Original BMW Motorrad Accessory.
- Six-speed transmission and left-side secondary drive.
Shift Assistant Pro for fast upshifts and downshifts without operating the clutch.
- Stainless-steel underfloor exhaust system with two catalytic converters.
- "Rain," "Road," and "Dynamic" riding modes, plus ABS Pro, DBC, DTC, and MSR, are standard for a high level of riding pleasure and safety. Riding Modes Pro adds the individually configurable "Dynamic Pro" riding mode.
- Chassis with a tubular steel space frame for optimal rigidity, robustness, and riding precision. Naked bike-specific tuning, a short wheelbase, and compact packaging.
- Front wheel control via an upside-down telescopic fork and rear wheel control via an aluminum hollow-cast double-sided swingarm with a central spring strut; spring preload and rebound damping are adjustable.
- Powerful Brembo braking system combined with BMW Motorrad ABS Pro for safe braking, even when leaned over. Dynamic Brake Control (DBC) and a dynamic brake light provide additional safety features.
- Forged-aluminum foot controls and side stand for optimized weight.
- Passenger footpeg brackets bolted to the rear frame.

Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 8

- Reversible shift pattern for occasional track outings.
- Heated grips as standard.
- Powerful LED headlight and LED lighting as standard.
- Connectivity with extensive capabilities and exemplary functionality through a large, perfectly legible 6.5-inch TFT display.
- Practical USB-C port in the cockpit area.
- Tailored Original BMW Motorrad Accessories in premium quality— from storage and design to M Performance Parts, safety, ergonomics and comfort, maintenance and technology, navigation, and communication.

Press material on BMW motorcycles in the BMW Group PressClub at www.press.bmwgroup.com.

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Media Information

Date October 1, 2026

Topic BMW Motorrad Presents the New BMW F 450 R.

Page 9

The BMW Group

With its four brands, BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial services. The BMW Group production network comprises over 30 production sites worldwide; the company has a global sales network in more than 140 countries.

In 2025, the BMW Group sold 2.46 million passenger vehicles and more than 202,500 motorcycles worldwide. The profit before tax in the financial year 2025 was € 10.2 billion on revenues amounting to € 133,5 billion. As of 31 December 2025, the BMW Group had a workforce of 154,540 employees.

The economic success of the BMW Group has always been based on long-term thinking and responsible action. Sustainability is a key element of the BMW Group's corporate strategy and covers all products – from the supply chain through production to the end of their useful life.

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