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**Contact:** Roy Oliemuller  
Corporate Communications Manager  
Motorcycle, Motorsports and Classic  
roy.oliemuller@bmwna.com

**The New BMW R 18**  
**Supreme Cruiser with Historical Roots**

**Woodcliff Lake, NJ – April 3, 2020...**With the new R 18, BMW Motorrad now enters the cruiser segment. Like no other BMW motorcycle before it, this model stands entirely in the tradition of historical BMW motorcycles – both technically and in terms of design style. It borrows from famous models such as the BMW R 5 both technologically and visually, shifting the focus back onto the motorcycle essentials: purist, no-frills technology and the boxer engine as the epicenter of riding pleasure. Simply put, the R 18 combines classic design with clear-cut, yet contemporary technology, to create a fascinating overall concept – offering a riding experience that is as cultivated as it is emotional.



**The most powerful BMW boxer engine of all time with abundant torque.**

The centerpiece of the new BMW R 18 is a newly-developed 2-cylinder boxer engine – the “Big Boxer”. Both its impressive appearance and its technology reflect a continuation of the traditional air-cooled boxer engines that have offered an inspiring riding experience for more than seven decades, since BMW Motorrad began production in 1923. The most powerful 2-cylinder boxer engine ever used in motorcycle series production has a displacement of 1802 cc. The peak power output is 91 hp at 4,750 rpm and 116 lbs-ft at 3,000 rpm. Torque is abundant with over 110 lbs-ft of torque available from 2,000 to 4,000 rpm, combined with a full, resonant sound.

**Double-loop steel tube frame and rear swing arm with enclosed axle drive in rigid-frame look.**

The centerpiece of the suspension in the new R 18 is a double-loop steel tube frame. Its design perpetuates the longstanding BMW Motorrad tradition of this frame type. Outstanding manufacturing quality and a meticulous attention to detail is also evident in unapparent features such as the welded joints between the steel tubes and the cast or forged parts. Like the legendary BMW R 5, the rear swing arm – surrounds the rear axle transmission in authentic style by means of bolted connections.

**Telescopic fork with fork sleeves, cantilever suspension strut, wire-spoked wheels and disc brakes.**

The suspension elements of the new BMW R 18 deliberately dispense with electronic adjustment options. Instead, a telescopic fork and a directly mounted central suspension strut with travel-dependent damping and adjustable spring preload ensure superior wheel control and attractive suspension comfort. As in the legendary BMW R 5, the tubes of the telescopic fork are encased in fork sleeves. The fork tube diameter is 49 mm, while the suspension travel is 120 mm (4.7 inches) at the front and 90 mm (3.5 inches) at the rear. The new BMW R 18 braking system features twin discs in front and a single disc brake at the rear in conjunction with four-piston fixed calipers. Meanwhile the wire-spoked wheels ensure a supremely stylish appearance.

**Harmonious ergonomics for optimum vehicle control.**

In keeping with the BMW Motorrad philosophy, the new BMW R 18 features a laid-back positioning of the footrests – so-called “mid-mounted footpegs”. This classic position behind the cylinders is not only typical of BMW, it also enables a relaxed and active riding position for optimum vehicle control.

**Three riding modes along with ASC and MSR for a high degree of riding pleasure and safety as standard. Reverse assist and Hillstart Control as factory options.**

The new R 18 also offers the three standard riding modes “Rain”, “Roll” and “Rock” – unusual in this segment – that adapt to individual rider preferences. The standard trim also includes ASC (Automatic Stability Control, disengageable), which ensures a high level of riding safety. In addition, the new R 18 is equipped as standard with engine drag torque control (MSR). Among other options, a reverse assist makes maneuvering convenient, while the Hill Start Control function facilitates uphill starts.

**The new R 18: iconic style newly showcased, featuring a rigid-frame look, modern technology and authentic materials.**

The R 18 masterfully transposes the iconic style of bygone times to the present day, retaining a purist design in numerous details that is mainly influenced by classics such as the BMW R 5. It is no coincidence that functional and stylistic elements such as the double-loop frame, the pear-drop tank, the open-running driveshaft and the pinstriped paintwork (factory option) are reminiscent of the legendary boxer dating back to 1936. The classic bodywork features of the R 18 are also made of metal – as befits an authentic classic. The suspension is likewise aptly reminiscent of the legendary R 5. Together with the double-sided swing arm and a cantilever suspension strut, the rigid-frame concept of the R 5 is perfectly transported into the modern age.

**The R 18 First Edition: exclusive look in paint and chrome.**

The new R 18 will be offered worldwide as an exclusive R 18 First Edition right from the start of production, with a standard model reserved additionally for certain markets. It combines the R 18 look with exclusive equipment features in a classic black finish with white pinstriped paintwork. Other highlights include numerous chrome surfaces, a seat badge and a “First Edition” chrome clasp on the side covers.

**Conversion-friendly design as a prerequisite for straightforward customizing and individualization.**

More so than virtually any other motorcycle, the new R 18 offers a highly conversion-friendly design – a focus even in the early design phases of the basic motorcycle layout. As a result, it is equipped with an easily removable rear frame and a simple-to-dismantle painted part set. Carefully conceived attachment points for the hydraulic lines of the brake,

clutch and cable harness likewise allow easy installation of higher or lower handlebars in conjunction with matching hydraulic lines and cable harnesses. In addition, the visible valve covers (cylinder head covers) and the belt cover (engine housing cover) are designed in such a way that they are located outside the oil chamber, making them very easy to change.

### **Customizing parts and Roland Sands design collections “Machined” and “2-Tone Black” for the new R 18.**

The BMW Motorrad equipment range offers a maximum selection of individualization options with which to adapt the R 18 to personal taste and preferences. The wide range of different parts available from the program of Original BMW Motorrad Accessories allows individual customizing that significantly alter the character of the R 18. For the market launch of the new R 18, two different design collections of milled aluminum parts are available, created in collaboration with Roland Sands Design: “Machined” and “2-Tone-Black”.

### **Co-branding with famous brands: BMW & Mustang seats and BMW & Vance Hines exhaust systems “Made in USA”.**

For the accessories and customizing program of the new R 18, BMW Motorrad is collaborating with Roland Sands Design and several well-known suppliers including US manufacturer Mustang Seats to offer different versions of high-quality hand-made seats. In addition, the customizing potential for the exhaust systems in cooperation with Vance & Hines is no less creative.

The highlights of the new BMW R 18:

- Iconic style blending modern technology with authentic materials.
- Biggest ever BMW boxer engine with a capacity of 1802 cc.
- Output 67 kW (91 hp) at 4,750 rpm, maximum torque 158 Nm (116 lbs-ft) at 3,000 rpm.
- More than 150 Nm (110 lbs-ft) available at all times from 2,000 to 4,000 rpm.
- Exposed driveshaft based on the classic R 5 model.
- Elaborately crafted double-loop steel tube frame.
- Rear swing arm with enclosed axle drive in rigid-frame design.
- Telescopic fork with sleeves and cantilever suspension strut featuring travel-dependent damping.
- Harmonious ergonomics for relaxed riding and optimum control.
- Disc brakes front and rear, with wire-spoked wheels.

- State-of-the-art LED lighting technology, classically interpreted.
- Adaptive turning light for even better illumination of the road when cornering as a factory option.
- Classically designed circular instrument with integrated display.
- Keyless Ride for convenient function activation by remote control.
- Two standard riding modes, ASC and MSR.
- Reverse assist for convenient maneuvering and Hill Start Control for easy hill starts as factory options.
- The R 18 First Edition: exclusive look in paint and chrome.
- Extensive range of optional extras and Original BMW Motorrad Accessories as well as a cool Ride & Style Collection.

## **Drive**

### **The most powerful BMW boxer engine of all time with historical roots and abundant torque.**

The new BMW R 18 is all about motorcycling in its purest form: instinct over mind, technology not for its own sake but as a way of creating powerful emotion. The BMW Motorrad Concept R 18 already made its debut with this message at the Concorso d'Eleganza Villa d'Este in May 2019: now the R 18 series production version enriches the BMW Motorrad Heritage World of Experience as a highly expressive return to the core of the BMW Motorrad brand – the boxer engine.

The centerpiece of the new BMW R 18 is a completely newly developed 2-cylinder boxer engine – the “Big Boxer”. Not only in terms of its impressive outward appearance but also from a technical point of view, the new “Big Boxer” ties in with the traditional boxer engines that were synonymous with motorcycles from Munich and Berlin-Spandau for around 70 years, from the beginning of BMW Motorrad production in 1923 through to the appearance of the air/oil-cooled successor: these were engines with a clear-cut design, created for optimum reliability and ease of maintenance, and featuring logically arranged, yet high-performance, technology.

With its OHV valve drive along with a separate engine and transmission housing, the new “Big Boxer” has the same structural features that distinguished the very first BMW Motorrad boxer engine, which at that time had laterally controlled valves. The highest-capacity twin-cylinder boxer engine ever to be used in motorcycle series production is an 1802 cc engine, resulting from a 107.1 mm bore and 100.0 mm stroke. The engine

output is 67 kW (91 hp) at 4,750 rpm. The maximum torque of 158 Nm (116 lbs-ft) is already available at 3,000 rpm, with more than 150 Nm (110 lbs-ft) available at any time from 2,000 to 4,000 rpm.

This ensures strong acceleration and – in conjunction with a generously sized flywheel mass – running smoothness as well. These are the crucial benefits of this level of power and torque during riding. The maximum engine speed is 5,750 rpm, while the idle speed is 950 rpm.

**Air/oil cooling, vertically split engine housing and triple plain bearing crankcase.**

The new “Big Boxer” is air/oil cooled, has large ribbed cylinders and cylinder heads and weighs 110.8 kg (244 lbs), including gearbox and intake system. It has a vertically split aluminum engine housing.

Unlike the classic air-cooled 2-valve boxer engines made by BMW Motorrad, the Big Boxer’s crankshaft, forged from hardened and tempered steel, has an additional main bearing at its center. This was necessary due to the large cylinder volume in order to prevent undesirable bending vibrations of the crankshaft.

Like the crankshaft, the two connecting rods with I-shaft are mounted on plain bearings and are also forged from hardened and tempered steel. They accommodate cast aluminum pistons with two compression rings and an oil wiper ring. The running surface of the light metal cylinders is coated with NiCaSil.

Lubricating and cooling oil is supplied by a wet sump lubrication system with a two-stage oil pump via sleeve-type chain driven by the crankshaft.

**Classic OHV valve drive with two camshafts as in the legendary R 5 and R 51 and also R 51/2 combined with modern 4-valve technology and dual ignition.**

Although the new “Big Boxer” has four valves, dual ignition, a modern combustion chamber design, intake manifold injection and the BMS-O engine management system for the best possible torque as well as optimum fuel consumption and emissions, it uses the classic OHV configuration for its valve drive – as was the practice pursued by BMW Motorrad over a period of some 70 years.

When developing the valve drive for the “Big Boxer” and in keeping with the Heritage concept, BMW Motorrad engineers were inspired by a very special engine design in the history of BMW Motorrad: the 2-cylinder boxer engine of the R 5 and R 51 (1936 – 1941) and R 51/2 (1950 – 1951). In contrast to other OHV designs by BMW Motorrad, this engine – highly valued by connoisseurs – has two camshafts driven by the crankshaft via a sleeve-type chain.

As in the historical role model, the two camshafts are also positioned to the left and right above the crankshaft in the “Big Boxer”. The advantage of this “twin camshaft boxer” is the shorter pushrods. This arrangement reduces the moving masses, decreases deflection and minimizes the linear expansion of the push rods. A generally stiffer valve drive with improved control precision and higher speed stability is the result of this construction.

**Fork rocker arm and manually adjustable valve clearance compensation via adjusting screws as in the traditional BMW boxer model.**

In the traditional BMW Motorrad boxer design, the two pushrods actuate one pushrod per cylinder side for the intake and one for the exhaust side, guided in a sealed pushrod tube on the top of the cylinders. The two intake and exhaust valves in the cylinder head are actuated in pairs via fork rocker arms.

Here, valve clearance compensation is not affected by means of hydraulic elements – as was the case in most classic air-cooled BMW 2-valve boxers for decades – but via one adjusting screw with a lock nut for each valve. As was formerly the case in the classic 2-valve boxers, valve clearance adjustment (0.2 – 0.3 mm) in the R18 “Big Boxer” is also achieved very easily. The valves are made of steel, with a disc diameter of 41.2 mm on the inlet side and 35 mm on the outlet side. The valve angle is 21 degrees on the inlet side and 24 degrees on the outlet side.

**Constant mesh 6-speed transmission and self-reinforcing single-plate dry clutch with anti-hopping function.**

As in most BMW Motorrad boxer engines for decades (with the exception of vertical-flow, air/water-cooled boxers produced since 2012), a single-disc dry clutch transmits the torque generated by the engine to the transmission. For the first time it is designed as a self-reinforcing anti-hopping clutch, thereby eliminating unwanted rear wheel hop caused by engine breaking in the event of hard downshifting.

The constant mesh 6-speed transmission is located in a dual-section aluminum housing and is designed as a 4-shaft transmission with helical gear pairs. The gearbox input shaft with lug dampers drives the two gearbox shafts with the gear wheel pairs via a countershaft. A reverse gear is available as an option. This is driven by an intermediate gear and an electric motor and can be shifted manually.

**Exposed driveshaft based on the classic role model.**

As in all BMW motorcycles with boxer engines, torque is transmitted from the gearbox to the rear wheel in the R 18 via a driveshaft with universal joint, shaft and rear-axle drive with bevel and ring gear. The driveshaft and universal joint are examples of fascinating classic motorcycle technology and are nickel-plated and open, as was commonly the case in BMW Motorrad models up to and including model year 1955. A so-called tripod joint (constant velocity joint) is applied on the gearbox side for the purpose of length compensation.

**Suspension, electrical system and assistance systems.**

**Elaborately crafted double-loop steel tube frame and rear swing arm with enclosed axle drive in a rigid-frame, as in the legendary BMW R 5.**

The centerpiece of the suspension in the new R 18 is a double-loop steel tube frame. Its design perpetuates the longstanding BMW Motorrad tradition of this frame type. Numerous cast and forged parts are exceptional in terms of both design and production technology, at the same time serving as positive-locking mounting elements for the frame tubes to be welded together. The two frame down tubes are each bolted together at four points.

Outstanding manufacturing quality and meticulous attention to detail is also evident in barely perceptible features such as the conical inlets on the down tubes, the steering head and the welded joints between the steel tubes and the cast or forged parts. For example, some of the tube mounts in the area of the steering head and seat are deliberately cut at an angle, making the connection especially attractive.

Reflecting the same design and manufacturing principle, the rear swingarm is also made of steel tubes and cast or forged parts. Like the legendary BMW R 5, it surrounds the rear axle transmission in authentic style by means of bolted connections. The look of the rigid frame used historically in the R 5 was recreated for the R 18 by BMW designers based on



a central cantilever suspension strut that is almost aligned with the frame's top tube and "concealed", along with a tube guide for the swing arm that connects seamlessly to the main frame. As a result, the frame and swing arm not only form the core of the R 18 suspension, their rigid-frame layout also provides the so-called styling "flyline" – thereby ultimately defining the design of the new "Big Boxer" model.

**Telescopic fork with fork sleeves and cantilever suspension strut with travel-dependent damping.**

The suspension elements of the new BMW R 18 reflect the classic design, deliberately dispensing with electronic adjustment options. Instead, a telescopic fork and a directly mounted cantilever suspension strut with travel-dependent damping and adjustable spring preload ensure superior wheel control and suspension comfort.

As in the legendary BMW R 5, the tubes of the telescopic fork are encased in fork sleeves. The fork tube diameter is 49 mm, while the suspension travel is 120 mm (4.7 inches) at the front and 90 mm (3.5 inches) at the rear.

**Consistent cruiser-style ergonomics and "mid-mounted footpeg" position for casual riding and excellent motorcycle control.**

Like no other BMW motorcycle to date, the new R 18 offers consistent cruiser-style ergonomics, following the line of the design. The BMW Motorrad ergonomic triangle – consisting of handlebar grip, seat and footrests – is traditionally the key factor in terms of the seating position. Together with other parameters such as seat height, width, handlebar height and sweep, this is crucial in determining the rider's sense of comfort on the motorcycle. The seat height of the R 18 is only 690 mm (27.2 inches) in the standard version.

In keeping with the BMW Motorrad philosophy, the new BMW R 18 features a laid-back positioning of the footrests – so-called "mid-mounted footpegs". This classic position behind the cylinders of the boxer engine is not only typical of BMW, it also allows a relaxed and active riding position for the best possible motorcycle control. The range of BMW Motorrad Original Accessories includes footboards and additional footrests (available Q4 2020), while the BMW Motorrad equipment program has numerous options for customizing the R 18 to individual taste by means of various handlebars (available September 2020) and seats (available at launch).

**Twin disc brake at the front, single disc brake at the rear and wire-spoked wheels.**

On the new BMW R 18, braking is by a twin disc brake at the front and a single disc brake at the rear in conjunction with four-piston fixed calipers. The brake disc diameter in each case is 300 mm. The brake system is equipped with the well-established BMW Motorrad Integral ABS (partially integral). This braking system involves use of the handlebar brake lever to activate the front and rear brakes together. The footbrake lever only acts on the rear brake. During braking, BMW Motorrad Integral ABS adapts the distribution of brake force between the front and rear brakes to the dynamic wheel load distribution and the load state.

The wire-spoked wheels ensure a stylish cruiser appearance with a large wheel diameter at the front and a smaller one at the rear. The 3.5 x 19" front wheel is equipped with a 120/70 R 19 or 120/70 B 19 tire (depending on the tire supplier/manufacturer), while the 5.0 x 16" rear wheel takes a 180/65 B 16 tire.

**State-of-the-art LED lighting technology, classically interpreted.**

The new BMW R 18 also sets the benchmark in the cruiser segment when it comes to lighting – in terms of both visual design and safety. Once again, BMW Motorrad demonstrates that state-of-the-art LED lighting technology is ideally suited for implementation in classic headlight shapes, too. The R 18 features a newly developed, strikingly designed LED main headlight with optimized low and high beam light in a high-quality metal housing that is adjustable to accommodate potential conversion and customizing. In addition, newly designed LED side indicators – with integrated tail light function at the rear – ensure an unmistakable look.



**Adaptive turning light as a factory option for improved illumination of the road when cornering.**

The optional adaptive turning light not only allows the main headlight to be visually improved, it also provides a significant improvement of functionality.

Unique in this category of motorcycle, the adaptive turning light works by means of separate LED elements in the main headlight which have their own reflectors and are activated based on banking angle. This function is used to compensate for the banking angle in relation to the cut-off line of the low beam. For this purpose, the signal from the tilt sensor is analyzed and the turning light switched on. The function is activated when the engine is running, the high or low beam is activated and darkness is detected, from road speeds of approx. 10 km/h (6 mph) and a banking angle of approx. 7°. The additional lighting is highly effective up to a banking angle of 25°, substantially improving illumination of the inner turn area– a major safety bonus when riding at night or in other situations where lighting conditions are poor.

**Classically designed circular instrument with integrated display.**

Harmoniously blending into the classic style, the circular instrument designed specifically for the new R 18 features an analog speedometer display and integrated indicator lamps that are “invisible” when not illuminated. Housed in a high-quality metal casing and bearing the iconic “BERLIN BUILT” inscription, its functionality follows the principle of simplicity – the historically based approach used in designing the R 18. Yet despite its supremely classic style, it also offers a wealth of information such as a digital gear indicator display as well as the data from the integrated on-board computer.



**Keyless Ride for convenient function activation by remote control.**

As with other BMW Motorrad models, the Keyless Ride system also replaces the conventional ignition steering lock in the new R 18. The ignition and alarm system are controlled by a transponder (optional equipment item) integrated in the motorcycle key, which transmits a radio signal with vehicle-specific frequency. The key can, therefore, remain in the rider's clothes, for example. The ignition is operated using the button on the right-hand handlebar instrument panel. At the touch of a button on the radio key, the key bit folds out that is required to lock and unlock the classic steering lock and fuel filler cap (optional extra).

**Riding modes “Rain”, “Roll” and “Rock” as well as factory standard ASC and MSR for a high degree of riding pleasure and safety.**

The new R 18 also offers the three standard riding modes “Rain”, “Roll” and “Rock” – unusual in this segment – to adapt to individual rider preferences. The standard equipment also includes ASC (Automatic Stability Control, disengageable).

The new R 18 is fitted with engine drag torque control (MSR), too. Electronically controlled, MSR prevents the rear wheel from slipping as a result of abrupt throttling or downshifting. An anti-hopping clutch is opened from a mechanically preset threshold in order to prevent the rear wheel hop – for example in the event of a hard downshift. If the tire's available grip capacity is below this opening threshold, for example in wet conditions – the rear wheel could still exceed the static friction limit due to the engine braking and simultaneous activation of the rear wheel brake and then slip. Thanks to MSR, the new R 18 detects this condition at an early stage. Depending on the coefficient of friction between the tire and the road surface, the throttle valve is opened in milliseconds in such a way that the drag torque is adjusted and the rear wheel remains in the static friction range. This results in further enhanced safety, especially on slippery roads.

In “Rain” mode, throttle response is gentler and the control characteristics of ASC and MSR allow for a wet and therefore more slippery road surface in terms of their regulation characteristics, thereby ensuring a particularly high level of riding safety.

In “Roll” mode, the engine offers optimum throttle response, while ASC and MSR are set to achieve ideal performance on all roads.

The “Rock” riding mode allows the rider to tap into the full dynamic potential of the new R 18. Throttle response is very spontaneous and direct, while ASC allows a little more slip. Each riding mode ensures optimum interaction between engine characteristics or throttle response, ASC control and engine drag torque control. As such, the three riding modes offer optimum adjustment options – both in terms of road surface (Rain Mode) and personal riding experience (Rock Mode).

**Reverse assist for convenient maneuvering, Hill Start Control for easy hill starts and heated grips as factory options.**

The new R 18 also meets the demands of relaxed motorcycling in the form of a reverse assist as a factory option. This can be activated as required using the selector lever. This blocks the forward gears and engages the reverse gear. Movement itself is initiated by the rider by pressing on the starter button.

Hill Start Control, available as a factory option, makes starting off on a hill particularly easy. It is activated by briefly pressing the hand lever brake or footbrake lever.

The heated grips are also available as a factory option: these keep the rider's hands comfortably warm on cold days.

## **Design**

### **The new R 18: iconic retro style masterfully showcased, featuring modern technology and authentic materials.**

The new R 18 is the modern interpretation of a cruiser that perpetuates the BMW Motorrad tradition, echoing iconic retro style while transposing it masterfully to the present day. From the overall impression down to the smallest detail, the purist design lives on as established by classics such as the BMW R 5. It is no coincidence that the hallmark proportions with sloping lines and a clean design style, combined with functional and style-defining elements such as the double loop frame, open-running driveshaft, and black finish with pinstriped paintwork (factory option) are reminiscent of the legendary boxer of bygone years. And the centerpiece is the boxer engine: unmistakably BMW, a homage to classic engine construction – a sculpture in metal.

The classic bodywork features of the R 18 are also made of metal, as befits an authentic cruiser: the 16-liter fuel tank with its pear shape derived from the R 5, the front and rear fenders, the side panels below the seat, the fork sleeves and the housings of the headlights and circular instrument panel are all made of sheet steel. Also known as the painted part set, these features define the character and overall appearance of the new R 18, as does the impressive boxer engine. The deliberate design of the bodywork in the form of individual components reinforces the bike's classic look, while at the same time allowing the ability of conversion, customizing and modification.

### **Historically influenced design with the “Big Boxer”, unique open-running universal-shaft drive and rigid-frame look.**

In terms of its drive and suspension, the new R 18 likewise echoes its famous ancestor – the R 5 of 1936. The focus here is on a simplicity and essentials as well as style-defining details.

The iconic BMW boxer engine is unmistakably the center of attention – clear-cut in design with unnecessary technical details. Given the full range of peripherals necessary for today's modern engines, a very high level of integration was required here.

As a result, the new “Big Boxer” – like the R 5 – presents the valve control system with overhead tappet guides on the upper side of the cylinder, while the so-called belt cover (front engine housing cover) and the valve covers (cylinder head covers) likewise echo the legendary 500 series engine, which caused a sensation in the motorcycle world more than 80 years ago with its dynamic performance. Concealed cables and lines as well as the entire system of sensors do not distract from the essentials. Even the imposing intake silencer is formally integrated in the overall context. There is virtually no other engine concept that visually conveys the operating principle of a four-stroke gasoline engine as clearly as a boxer engine: intake, compression, operation, exhaust – visibly understood mechanics.

Another feature based on the historical model is the open-running driveshaft to the rear wheel with nickel-plated shaft in a high-gloss finish. This underlines the purist styling and character of the new R 18. A boxer BMW without a universal-shaft drive is something that has been completely unthinkable for more than nine decades. In short, the universal shaft in the R 18 is presented as a fascinating, beautifully designed piece of drive mechanics. Once again, the underlying principle is that of making function visible.

The suspension is likewise aptly reminiscent of the legendary R 5. Together with the double-sided swing arm and a cantilever suspension strut, the rigid-frame concept of the historical BMW boxers is perfectly transported into the modern age in visual terms. Starting from the steering head, the central frame tube and swing arm top frame tubes visually form a continuous line that functions as a central design feature. In combination with the swing arm down tubes, which are also aligned with the frame down tubes, this gives the new R 18 a distinctly flat, elongated and muscular appearance. The classic enclosure of the rear axle transmission in the swing arm is also a hallmark design feature of classic BMW boxers – implemented in the R 18 in a visually iconic way.

#### **Homage to bygone days based on stylishly designed construction details.**

Another classic feature is also to be found in the telescopic fork: as in the historical model, the entire area of the fork tubes has a cover extending to the slider tubes that consists of fork sleeves made of sheet steel. Back in the days of the R 5 this type of fork fairing was a

technical requirement since it protected the sensitive sliding surfaces of the fork tubes from stone chip and damage resulting from the poor roads of the time. The strong appearance of the fork is perfectly integrated in the bike's overall proportions.

There are carefully crafted additional technical details to be seen. Another example is the classically designed circular instrument, which is enclosed in a metal housing with a decorative chrome ring. The "BERLIN BUILT" inscription on the face also provides a clear reference to the bike's origins: the new R 18 is manufactured in Berlin-Spandau. Finely wrought details are to be found everywhere: in the manual instruments, the handlebar clamp, the filler cap, the seat bolt connection and much more.

The LED headlight demonstrates how even the most state-of-the-art lighting technology can be skillfully integrated into the design style of a classic motorcycle – reinforcing the image of classic BMW.

### **The R 18 First Edition: exclusive look in paint and chrome.**

The new R 18 will be offered worldwide as an exclusive R 18 First Edition right from the start of production, with a standard model additionally available for select markets. It combines the classic R 18 look with exclusive equipment features in paint and chrome. The selected equipment extras include high-quality chrome components, while the finish in Blackstorm metallic with elaborate pinstriped paintwork in Lightwhite unmistakably echoes the bike's historical roots.

At the same time, refined details and stylish elements give the bike a fresh appearance that is both contemporary and emotional, ensuring the bike will not only appeal to fans of classic motorcycles. In addition to the elaborate pinstriped paintwork, the highlights of the special model include numerous chrome surfaces, a seat badge and a "First Edition" chrome clasp on the side cover. Another highlight of the "First Edition" is the Welcome Box reserved exclusively for "First Edition" buyers, which includes the following:

- Box with picture of the engine on the lid
- Historical tank emblems (copper-colored lettering)
- Historical slotted screws (copper-colored)
- Assembly gloves
- Assembly screwdriver (can also be used as key ring)
- "R18 First Edition" cap
- Leather belt with exclusive "R 18 First Edition" clasp



- Book about the near 100-year history of BMW Motorrad

## **Equipment and customizing program**

### **Optional equipment and Original BMW Motorrad Accessories.**

For further individualization and customizing of the new BMW R 18, a particularly extensive range of optional extras and Original BMW Motorrad Accessories is available as well as a cool Ride & Style Apparel Collection. The program of optional equipment and accessories will be further expanded in the future. As is common BMW Motorrad practice, optional equipment items are supplied from the factory and integrated in the production process. Original BMW Accessories are installed by a certified BMW Motorrad dealer or by customers themselves. Many of these items can also be retrofitted.

### **Design specifically allows for customizing and individualization.**

More so than virtually any other motorcycle, the new R 18 offers a highly customizable design – a focus even in the early design phases of the basic vehicle layout. As a result, it is equipped with an easily removable rear frame and a simple-to-dismantle painted part set. This allows a high degree of freedom for conversion of the rear end of the new R 18 to suit personal preferences with comparatively little effort, as well as, change to the paint finish in line with personal taste. Carefully conceived connections for the hydraulic lines of the brake and clutch as well as the cable harness, allow for a simple and easy installation of higher or lower handlebars (available September 2020) in conjunction with longer or shorter hydraulic lines and cable harnesses. The matching mounting kit is available for all handlebars from the Original BMW Motorrad Accessories range. In addition, the valve covers (cylinder head covers) and the belt cover (engine housing cover) are designed in such a way that they are located outside the oil chamber, making them very easy to change.

### **Diverse range of parts for widely varying styles.**

The range of Original BMW Motorrad Accessories offers a maximum selection of customizing options with which to adapt the R 18 to personal taste and preferences. The exceptional diversity of parts available from the program of Original BMW Motorrad Accessories enables individual customizing that significantly change the character of the R 18. In this way, the new R 18 can be effortlessly transformed into varying examples with extreme design features – for example, low, wide or different height handlebars (available September 2020). A wide range of matching seats will be available, too – including the

Solo Hommage Seat reminiscent of the free-floating individual seats to be found on vintage BMW motorcycles. Another option example is a frame bag featuring an exclusive material mix of canvas/leather with side or rear pouches. The Original BMW Motorrad Accessories range also allows further style-defining alterations such as different wheels, including the large, slim 21-inch front wheel or a rear mudguard that is particularly close-fitting, as well as a variety of license plate holders.

### **Customizing parts and Roland Sands design collections “Machined” and “2-Tone Black” for the new R 18.**

For the market launch of the new R 18, two different design collections of milled aluminum parts are available, created in collaboration with Roland Sands Design: “Machined” and “2-Tone-Black”.

“Machined” parts are components milled from high-quality aluminum that feature an attractive color contrast between black and silver. In order to achieve this, the parts coated in black are milled and then polished again at specific points after the initial milling process in order to lend emphasis to the original aluminum look and create the desired color contrast.

Meanwhile the “2-Tone-Black” design collection consists of components which are also made of high-quality milled aluminum but feature a double black anodized surface with glossy and matt textured areas.

The “Machined” and “2-Tone-Black” ranges include front and rear wheels available in different dimensions from the standard sizes. In addition, the range of these exclusive milled parts includes speedometer housings (available Q1 2021), handlebar clamps (available September 2020), risers (available Q1 2021), handlebar grips (available Q4 2020), hand levers and mirrors (available Q1 2021) as well as engine housing trim elements, filler caps (lockable filler caps available September 2020, non-lockable filler caps available at launch), intake silencer covers (available Q1 2021) and much more. In short, “Machined” and “2-Tone-Black” offer a wide range of options for customizing the R 18 to the very highest level of individualization according to the owner’s personal preferences and ideas.

**Co-branding with famous brands: BMW & Mustang seats and BMW & Vance Hines exhaust systems “Made in USA”.**

For the accessories and customizing program of the new R 18, BMW Motorrad is collaborating not just with Roland Sands Design but also with several well-known suppliers, including US manufacturer Mustang Seat in order to be able to offer different versions of high-quality hand-made seats. In addition, the customizing potential for the exhaust systems is in cooperation with Vance & Hines (available Q4 2020).

In cooperation with Mustang Seats, high-quality, hand-made seats are offered in different options for a variety of purposes. Whether one or two-seater, giving more emphasis to comfort or design, in black or brown, with or without backrest – there are almost no limits to the potential variations of the high-quality seats “Made in USA”.

Meanwhile the customizing potential for the exhaust systems in cooperation with Vance & Hines is no less creative. Developed in cooperation with Vance & Hines and approved by BMW Motorrad, the exhaust system – available in chrome or with a scratch-resistant black ceramic coating – not only offers an individual and exclusive customizing look, it also meets the rigorous BMW Motorrad quality standards. In addition to optimum power and torque output, it underlines the unique, resonant sound of the boxer engine (available Q4 2020).

## **Original BMW Motorrad Accessories.**

### **Storage.**

- Fuel tank bag, large, black.
- Fuel tank bag, small, black.
- Frame bag right, black.
- Side bag 16 l, left/right, black.
- Rear bag 27 l, black.

### **Design and appearance.**

- Headlight cover Machined / 2-Tone-Black.
- Fork rod top end cap Machined / 2-Tone-Black.
- Fork rod top end cover Machined / 2-Tone-Black.
- Fork rod bottom end cap Machined / 2-Tone-Black.
- Speedometer housing Machined / 2-Tone-Black (available Q1 2021).
- Handlebar clamp top Machined / 2-Tone-Black (available September 2020).
- Handlebar grip Machined / 2-Tone-Black (available Q4 2020).
- Handlebar end cap Machined / 2-Tone-Black.
- Mirror Machined / 2-Tone-Black (available Q1 2021).
- Expansion tank lid, front Machined / 2-Tone-Black.
- Expansion tank lid, rear Machined / 2-Tone-Black.
- Filler cap Machined / 2-Tone-Black.
- Filler cap, lockable Machined / 2-Tone-Black (available September 2020).
- Front wheel cover 21" wheel primed.
- Front wheel 19" Machined / 2-Tone-Black / chrome.
- Front wheel 21" Machined / 2-Tone-Black / chrome.
- Front wheel 16" Machined / 2-Tone-Black / chrome.
- Front wheel 18" Machined / 2-Tone-Black / chrome.
- Rear wheel cover Bobber style primed (available January 2021).
- License plate holder side, black / chrome (available January 2021).
- Engine guard chrome.
- Engine housing cover Machined / 2-Tone-Black.
- Decorative strip engine housing cover Machined / 2-Tone-Black.
- Cylinder head cover Machined / 2-Tone-Black.
- Decorative strip cylinder head cover Machined / 2-Tone-Black.
- Intake silencer cover Machined / 2-Tone-Black (available Q1 2021).

- Tapered rear silencer chrome / black (available Q4 2020).

**Ergonomics and comfort.**

- Riser 1.5" Machined / 2-Tone-Black / chrome (available Q1 2021).
- Riser 4" Machined / 2-Tone-Black / chrome (available Q1 2021).
- Hand lever, adjustable Machined / 2-Tone-Black.
- Handlebars Beachbar 36/7" chrome/black (available September 2020).
- Handlebars Apehanger 16" chrome/black (available September 2020).
- Handlebars Apehanger 6.5" chrome/black (available September 2020).
- Windshield clear/tinted.
- Windshield, low, clear/tinted.
- Windshield, medium, clear/tinted.
- Windshield holder with LED auxiliary headlights chrome/black.
- Rider footboard Machined / 2-Tone-Black (available Q4 2020).
- Passenger footboard Machined / 2-Tone-Black (available Q4 2020).
- Rider leg rest chrome (available January 2021).
- Single seat Solo Hommage black (single seat in the style of historical BMW motorcycles).
- Single seat Custom brown/black.
- Seat Custom Fastback brown/black.
- Seat Day Rider brown/black.
- Seat Weekender black.
- Seat Cross Country black.
- Rider backrest brown/Day Rider black/Tour black.
- Passenger backrest brown/black/Tour black (available January 2021).
- Passenger backrest mount chrome (available January 2021).

## Technical Data

		<b>BMW R 18</b>
<b>Engine</b>		
Capacity	cc / cui	1,802 / 110
Bore/stroke	mm	107.1/100
Output	kW/hp	67/91
at engine speed	rpm	4,750
Torque	Nm/lbs-ft	158/116
at engine speed	rpm	3,000
Type	Air/water-cooled 2-cylinder 4-stroke boxer engine	
No. of cylinders	2	
Compression/fuel	9.6:1 / premium unleaded (95-98 RON)	
Valve/accelerator actuation	OHV	
Valves per cylinder	4	
Ø intake/outlet	mm	41.2/35.0
Ø throttle valves	mm	48
Engine control	BMS-O	
Emission control	Closed-loop 3-way catalytic converter, EU5 exhaust standard	
<b>Electrical system</b>		
Alternator	W	600
Battery	V/Ah	12/26 maintenance-free
Headlight	LED low beam with projection module LED high beam with projection module	
Starter	kW	1.5
<b>Power transmission – gearbox</b>		
Clutch	Hydraulically activated single-disc dry clutch	
Gearbox	Constant-mesh 6-speed gearbox	
Primary ratio	1.16	
Transmission ratios	I	2,438
	II	1,696
	III	1,296
	IV	1,065
	V	0,903
	VI	0,784
Rear wheel drive	Universal shaft	
Transmission ratio	3.091	
<b>Suspension</b>		
Frame construction type	Double-loop steel tube frame	
Front wheel control	Telescopic fork, fork tube Ø 49 mm	
Rear wheel control	Cantilever	
Total spring travel, front/rear	mm	120/90
Wheel castor	mm	150.0
Wheelbase	mm	1,731

Steering head angle	°	57.3
Brakes	front	Twin disc brake Ø 300 mm
	rear	Single disc brake Ø 300 mm
ABS	BMW Motorrad Integral ABS (part-integral)	

### **Pricing**

**Base MSRP: \$17,495**

**First Edition: Starts at \$19,870**

**Excludes tax and title fees, in addition to Destination and Handling fee of \$695.**

### **Additional Media Access and Information:**

Additional media assets for the new BMW R 18 are available at BMW Group PressClub USA.

To watch the reveal, please subscribe to @BMWMotorrad global brand channels on

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[https://www.facebook.com/BMWMotorrad/posts/10157945553348467?\\_\\_tn\\_\\_=-R](https://www.facebook.com/BMWMotorrad/posts/10157945553348467?__tn__=-R)

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<https://www.youtube.com/watch?v=rdxNWAzMuCo&feature=youtu.be&app=desktop>; or

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### **BMW Group In America**

BMW of North America, LLC has been present in the United States since 1975. Rolls-Royce Motor Cars NA, LLC began distributing vehicles in 2003. The BMW Group in the United States has grown to include marketing, sales, and financial service organizations for the BMW brand of motor vehicles, including motorcycles, the MINI brand, and Rolls-Royce Motor Cars; Designworks, a strategic design consultancy based in California; technology offices in Silicon Valley and Chicago, and various other operations throughout the country. BMW Manufacturing Co., LLC in South Carolina is the BMW Group global center of competence for BMW X models and manufactures the X3, X4, X5, X6 and X7 Sports Activity Vehicles. The BMW Group sales organization is represented in the U.S. through networks of 348 BMW passenger car and BMW Sports Activity Vehicle centers, 145 BMW motorcycle retailers, 121 MINI passenger car dealers, and 38 Rolls-Royce Motor Car dealers. BMW (US) Holding Corp., the BMW Group's sales headquarters for North America, is located in Woodcliff Lake, New Jersey.

Information about BMW Motorrad products is available to consumers via the Internet at: [www.bmwmotorradusa.com](http://www.bmwmotorradusa.com).

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Journalist note: Information about BMW Motorrad and its products in the USA is available to journalists on-line at <https://www.press.bmwgroup.com/usa>.

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