

## 2004 BMW R1150GS ADVENTURE



### Brakes

Actuation Method Back	hydraulic, DOT 4 fluid type
Actuation Method Front	hydraulic, DOT 4 fluid type
Brake System	EVO
Front Brakes	two 4-piston calipers, wear compensation (EVO ABS II)
Front Rotors	dual 12.0 inch floating rotors
Rear Brakes	one 2-piston caliper, floating mount
Rear Rotor	single 10.9 inch fixed rotor (EVO ABS II)

### Dimensions

Dry Weight	511 lbs.
Front Wheel Trail	4.5 inches
Ground Clearance	59.4 inches (1509 mm) (unladen)
Handlebar Height	35.5 inches (903 mm)(with weights)
Maximum Load	992 lbs. gross vehicle weight rating
Overall Length	86.2 inches (2196 mm)
Overall Width	36.2 inches (920 mm) (over mirrors)
Seat Height	35.1 inches (900 mm)
Steering Angle	62.9 degrees (laden)
Wet Weight	557 lbs. (608 lbs. Wet w/optional extras)
Wheel Load Limits	Front=463 lbs., Rear=529 lbs.
Wheelbase	59.4 inches (1509 mm) (unladen)

### Drivetrain

Clutch	165 mm dry, single plate with diaphragm spring
Drive System	enclosed driveshaft with two universal joints and integral torsional damper
Final Drive	spiral bevel gears, 2.82:1 ratio (31/11)
Gear Ratios	1st: 2.375:1   2nd: 1.61:1   3rd: 1.27:1   4th: 1.04:1   5th: 0.92:1   6th: 0.80:1
Primary Drive	helical-cut gears with tensioner

### Engine

Air Filter	Paper-type element
Bore x Stroke	101 mm x 70.5 mm
Carburetion Ignition	Engine Management: Bosh Motronic MA 2.4
Compression Ratio	10.3:1

Displacement	1130 cc
Engine Oil Capacity	4 quarts of SF, SG, or SH oil, also w/CD or CE suffixes
Engine Oil Filter	spin-on Micronic filter cartridge
Fuel Capacity	30 liters (8.0 gallons)
Fuel Demand	unleaded, middle-grade premium, 90 AKI
Fuel Tank	steel tank with enclosed fuel pump & filter
Horsepower	85 bhp @ 6750 rpm
Torque	71 lb.-ft. @ 5250 rpm
Type	Air/Oil cooled 4-stroke opposed twin
Valve Gear	HC, chain-driven
Valve Timing	intake opens 1 degree before TDC, intake closes 25 degrees after BDC, exhaust opens 28 degrees before BDC, exhaust closes 16 degrees before TDC
Valves	8x26.5 mm intake / 8x23 mm exhaust
Valves Per Cylinder	four

## Frame

Frame	Three-section frame concept
Front Suspension	Telelever with central spring strut; Progressive coil spring. Twin-tube gas-filled shock
Rear Suspension	Patented BMW Paralever swingarm & shaft drive, single shock with variable rebound damping
Travel Dimensions Front	7.5 inches total travel, 5-position preload
Travel Dimensions Rear	7.9 inches travel, hydraulic adjust. 40 positions

## Wheels

Front Tire	110/80 - R 19 59H tubeless
Front Wheel	2.50 x 19 MT-H2, Patented Cross Spoke Wheels w/ blue anodized finish
Rear Tire	150/70 - R 17 69H tubeless
Rear Wheel	4.00 x 17 MT-H2, Patented Cross Spoke Wheels w/ blue anodized finish

Aggressively built and a million miles from typical, the GS Adventure specializes in long rides to the middle of nowhere. An 8-gallon gas tank, long suspension travel and enduro tires will get you across borders you've never experienced before. Just don't forget your passport.

Largely based on the best selling R1150 GS, the Adventure has been designed with long distance travel in mind and is engineered to perform in all conditions, on or off-road. This visually striking new model comes equipped with many special features as standard and a whole range of optional accessories and fittings that make it the ultimate long distance enduro machine.



### Fog Headlights with Protective Grill

To maintain visibility in difficult weather, the Adventure can be equipped with accessory fog headlights with protective grills, the ideal addition to standard headlights.



### Heated Handgrips

You know how it is. You've been riding for hours and your hands are numb from the cold. Not anymore. Heated grips are just one of many standard features to be appointed on the new R 1150 GS Adventure.



### Large Safety Bar

The new, large safety bar ideally fits the robust look of the R 1150 GS Adventure. It naturally offers the best possible protection for the engine and neighboring components (such as the tank), especially since unintentional contact with the ground is sometimes unavoidable on off-road terrain. This prevents costly repairs and exchanging engine housing parts. The engine safety bar is the ideal addition to the standard tough underide protection and the plastic engine cylinder protection.



### Massive Bar Tires

"At home on every street of the world" - This motto is 100% true for the Adventure. With the optional massive-bar tires, you can tackle difficult routes to out-of-the way places the world over. These tires are true globetrotters - Only the driver sets the limits!



#### **Multifunctional Carrying System**

People on the go with the world traveler R 1150 GS Adventure want to have sufficient storage space. For the Adventure, an adequate storage approach not only has to look good and offer enough space, but it has to be as robust and sturdy as the motorcycle itself. To meet these demands, aluminum side cases and a top case with a tailored multifunctional carrying system was developed for the R 1150 GS Adventure. Multifunctional? When the cases are removed, other objects can be easily strapped on and transported such as luggage, gas cans or small boxes.



#### **Shorter Transmission Ratio**

A shorter transmission ratio for first gear is particularly suitable for difficult terrain or trips over small and narrow streets (such as hairpin turns) with a full load. Difficult stretches can be mastered reliably and easily.



#### **Switchable ABS II**

No other manufacturer gives so much attention to driver safety as BMW Motorcycle. The new R 1150 GS Adventure is therefore equipped with a switchable ABS II/EVO braking system as standard equipment. Why switch off the ABS? Because many off-road situations require a blocked wheel which an activated ABS will prevent.