



**The new BMW R 1100 S.  
Powerful. Athletic. Striking.  
It's the sportiest Boxer. Ever.**





With the powerful heart of a pure sport bike and confidence-inspiring handling at all speeds, the BMW R 1100 S is ready to take on any road. The use of cutting-edge technology has resulted in a machine that manages to be exhilarating without sacrificing safety or reliability.

The new BMW R 1100 S is the latest expression of BMW's legendary flat twin sports tradition. For 75 years, sport bikes have been an important part of the BMW model range. And with its uncompromising nature the new BMW R 1100 S is without a doubt the sportiest BMW flat twin ever.

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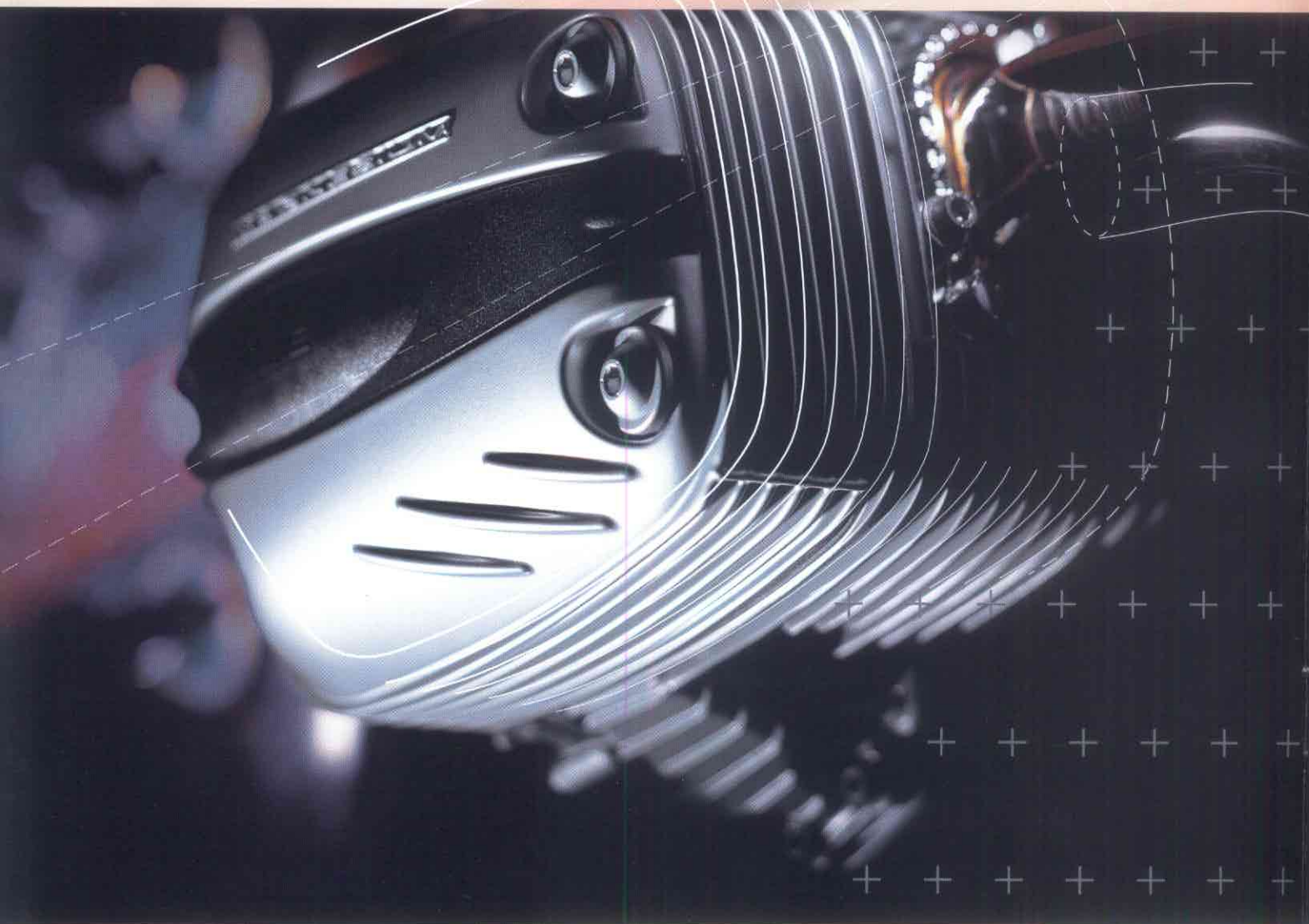
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**The athletic Boxer. The new BMW R 1100 S flexes its muscles. It's a strong sprinter equally capable of high cruising speeds. With a revised, high-tech engine that balances power and pleasure.**



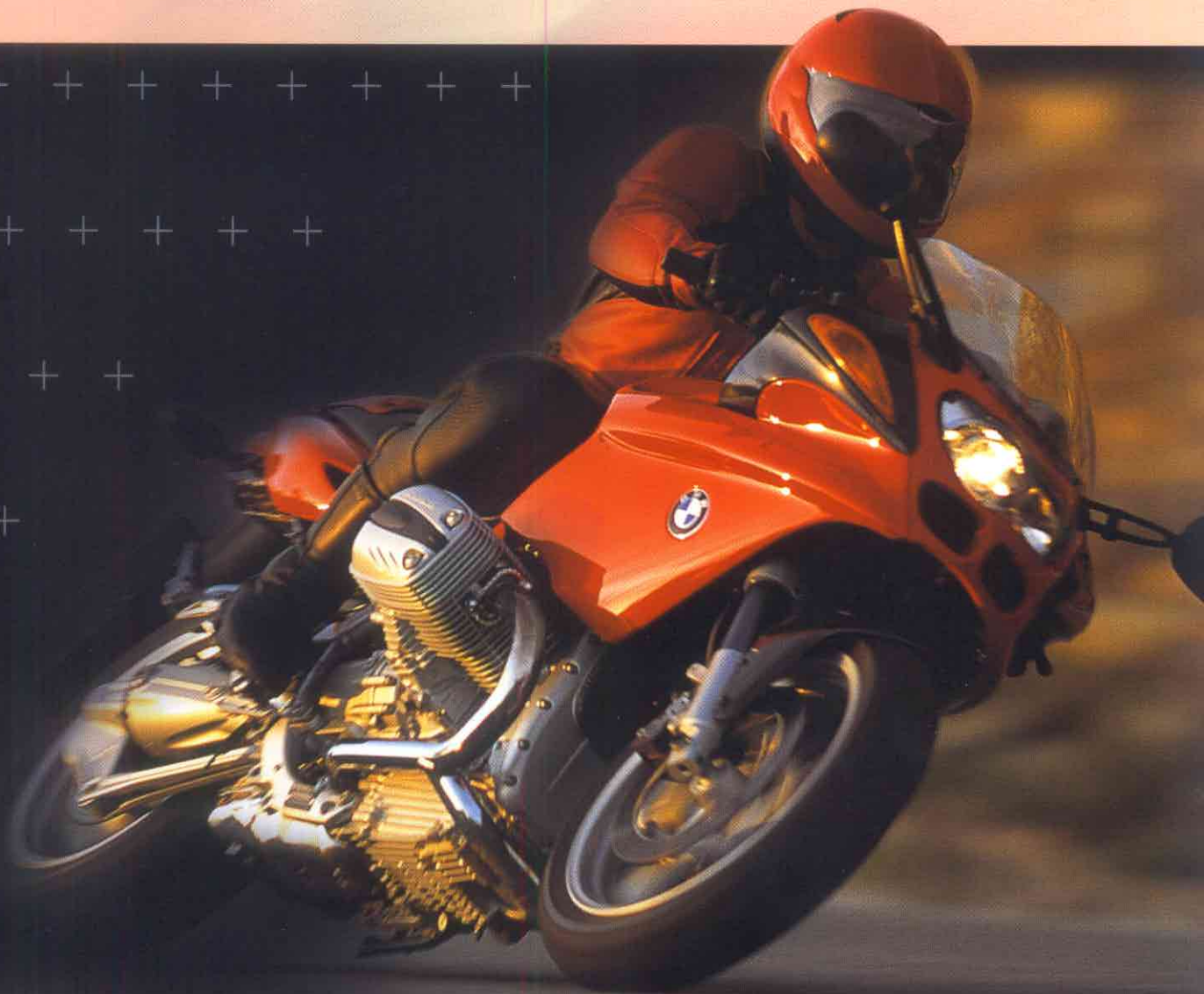
The 4-valve flat twin has been optimized for the new BMW R 1100 S. The result is a distinct increase in performance that turns the bike into a pure-bred sport machine. The compression ratio has been

increased and the intake reconfigured for greater air-flow. In addition, the maximum engine speed was increased without sacrificing low-end torque. Forged connecting rods and state of the

art digital engine management complete the package. These changes help the new R 1100 S to produce 98 hp at 7,500 RPM with 70 ft. lbs. of torque at 5,750 RPM. The new 6-speed gearbox puts




The new BMW R 1100 S is in its element on the twisties. A little wrist action is all it takes to experience its dynamic power.

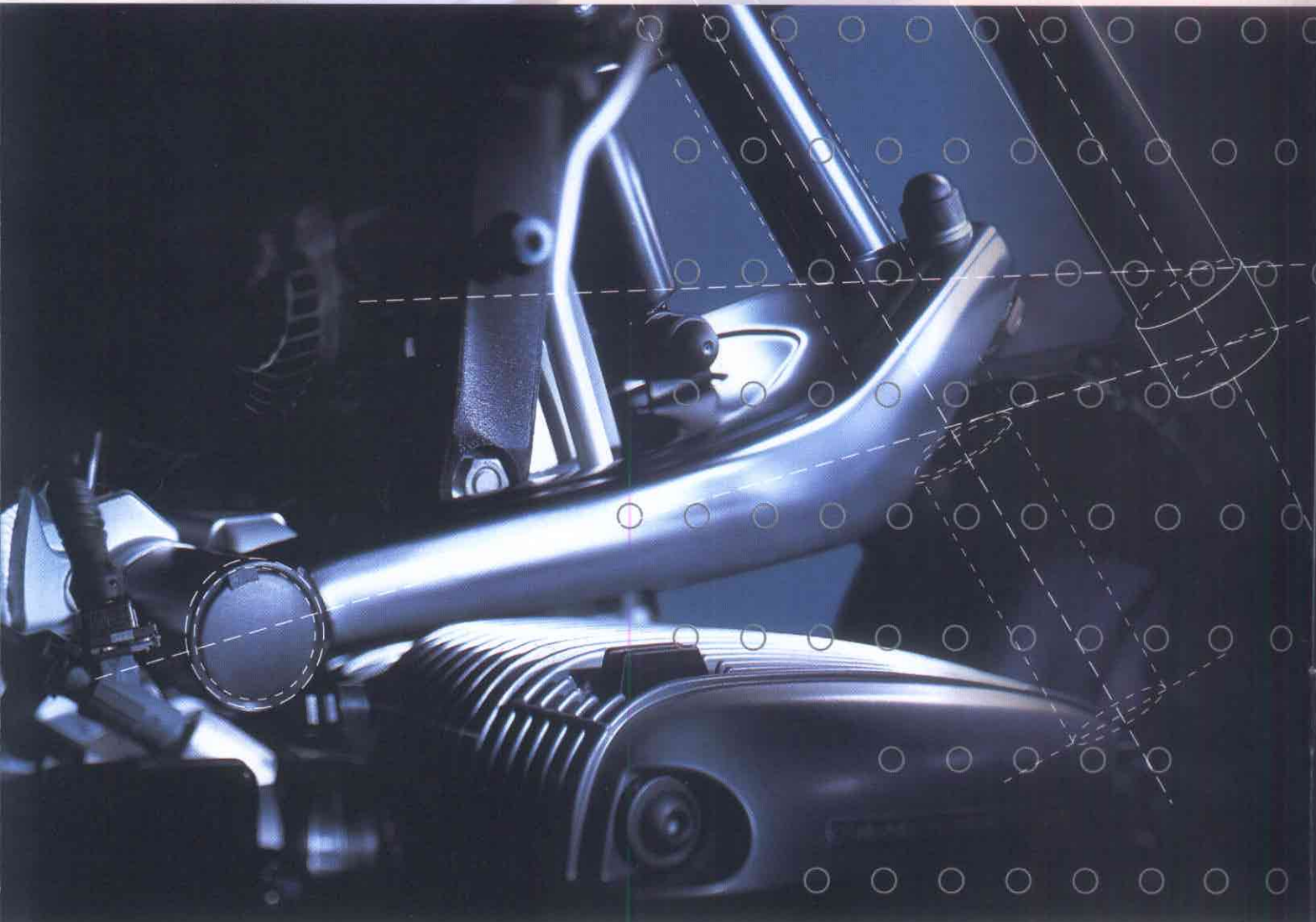


this power on the road. The transmission not only offers excellent precision and ease but also ensures optimal gear transitions. The closer gear ratios provide plenty of pulling power in any situation.

Through the use of lightweight materials, the overall weight of the motorcycle has been kept to a minimum. The valve covers, for example, are magnesium.



**The latest technology is what sets the new BMW R 1100 S apart. Impressive power. Great balance. Ready for any situation. The amalgamation of power and control.**



The new BMW R 1100 S introduces a new three-piece frame concept which has been optimized for weight and rigidity. The front frame houses the revised, and distinctly lighter, anti-dive Telelever suspension. The

steel tube rear frame carries the seat and luggage rack. Between the two lies a completely new main frame. The rear swingarm mounts are integrated into a welded and highly rigid aluminum unit. The proven Paralever system

for the rear wheel offers unparalleled stability. The frame components are connected to the engine which functions as a structural component for a maximum of torsional rigidity. The result is tremendous directional stability.



Newly developed aluminum frame. Telelever with reduced weight in front and the proven Paralever in the rear means the BMW R 1100 S offers tremendous maneuverability in turns with maximum straight-line stability.

For greater safety, the latest generation BMW motorcycle ABS is available as an option for the BMW R 1100 S.

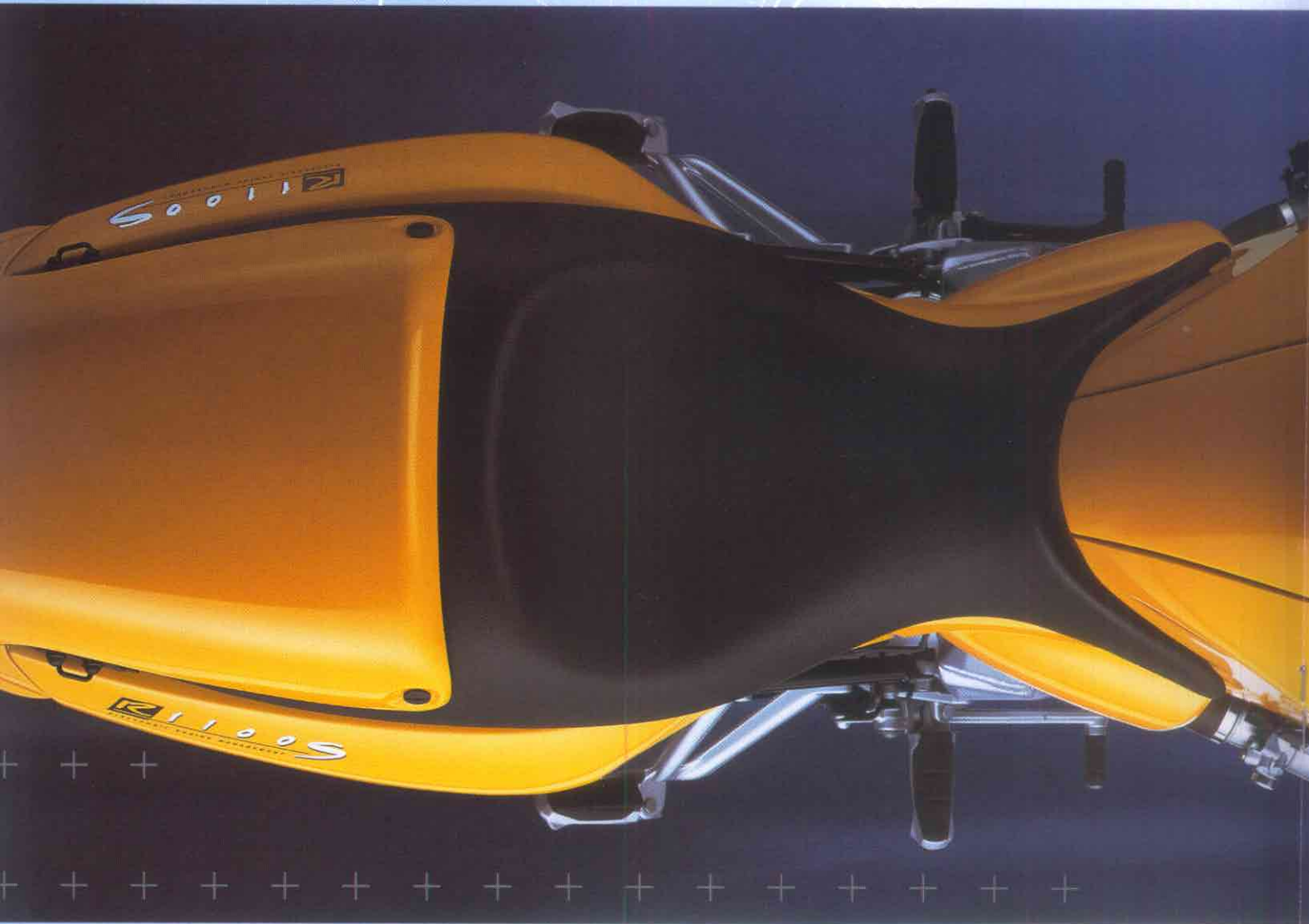
The BMW R 1100 S is equipped with a standard three-way catalytic converter.



New, lighter wheels with five double spokes help reduce centrifugal force while providing better handling. But a sport bike isn't simply about going fast. The large, 4-piston fixed caliper front brakes with dual floating 12" discs

(10.9" single disc at the rear) bring the bike to a stop with minimal fade. Sintered metal brake pads further guarantee optimal braking power.

A sport bike that doesn't ignore aesthetics. The harmonic nature of the BMW R 1100 S shows great attention to every detail. It's a bike that doesn't pull punches. Every aspect has been thought through.



Good design doesn't need to be sacrificed for the sake of performance. The new BMW R 1100 S makes this case in every respect. From its powerful appearance to its slender silhouette, the latest Boxer

commands attention. It has the unmistakable character of a genuine BMW while adding a new dimension to the classical Boxer look. It all adds up to an altogether new experience.





The distinctive contours are absolutely unique to a BMW Boxer. The profile of the new R 1100 S shows the obvious result of wind tunnel testing. The aerodynamic half fairing

with integrated windshield also neatly houses the speedometer, tach and various read-outs. Every detail demonstrates thoughtful design.



For a BMW, there's no such thing as "design for the sake of design". And in every respect, the new BMW R 1100 S shows this philosophy in action. Well conceived ergonomics. Balanced proportions. It's an experience for all the senses.



Lightweight and muscular. Elegant and powerful. The design of the new BMW R 1100 S helps make it the purest expression of a Boxer sport bike. From its distinctive

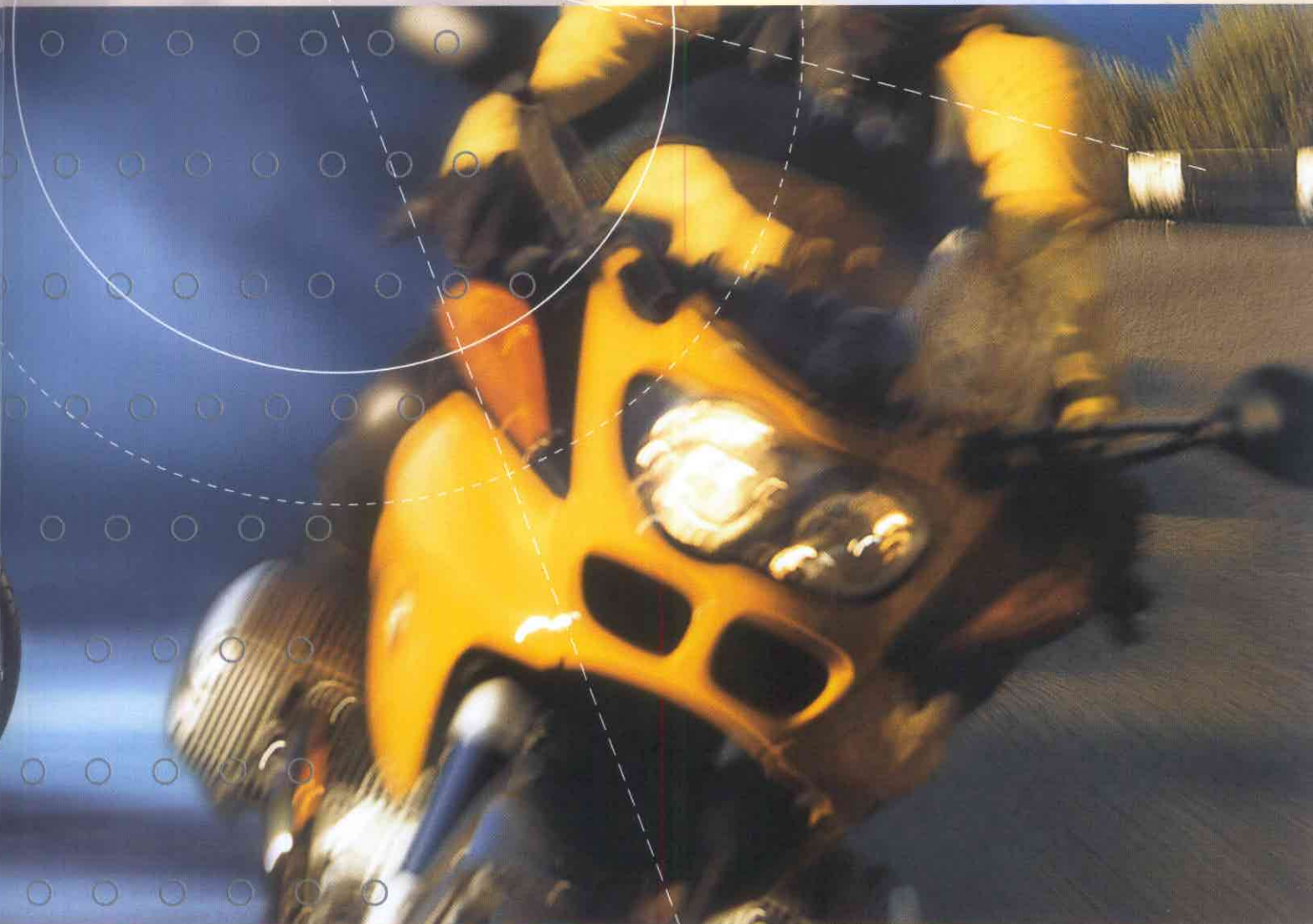
"face" provided by its asymmetrical ellipsoidal headlamps to its unique engine and Paralever rear suspension, its sporting character is simply unmistakable.



U.S. bikes feature a black seat

Touring, alone or with a passenger, is not a problem for the new BMW R 1100 S. Excellent seating comfort and tremendous

storage space via the optional luggage makes it one of the most versatile machines on the road.



**There is functionality to every detail. With the new BMW R 1100 S, design and technology combine to create a truly unique overall character.**



If you want to ride hard, the BMW R 1100 S is willing. The functional design of the BMW R 1100 S extends to the cockpit. Controls are mounted to the short, clip-on handlebars and offer a solid feel. The

clutch and brake levers are adjustable and ensure optimal ergonomics. Easy-to-read classical round gauges keep you informed at a glance. The rear view mirrors harmoniously blend into the fairing while

allowing for unobstructed view that's not distorted by vibrations. And the passenger seat may be concealed beneath a cover for a solo-seat appearance.



A distinct signature in the rear: the two high-mounted tailpipes of the exhaust system are placed directly below the seat.



# The new BMW R 1100 S. Facts and figures.

<b>Engine</b>		<b>Dimensions and weights</b>	
Type:	Four stroke flat twin	Fuel tank capacity:	18 liters (4.75 gallons), incl. 4 liters (1 gallon) reserve
Valves:	4 per cylinder	Seat height:	800 mm (31.5 inches)
Displacement:	1,085 cc	Curb weight (operational):	229 kg (504 lbs.)
Bore x Stroke:	99 mm x 70.5 mm	GVWR:	450 kg (992 lbs.)
Horsepower rating:	72 kW (98 Bhp) @ 7,500 RPM	<b>Performance and fuel consumption</b>	
Torque rating:	97 Nm (70 lb.-ft.) @ 5,750 RPM	Top speed:	225 km/h (140 mph) approx.
Compression ratio:	11.3 : 1	Acceleration:	
Cooling system:	air / oil	0 - 100 km/h (0 - 62 mph):	4.0 sec.
Valve actuation:	HC	80 - 120 km/h (50 - 75 mph):	3.4 sec.
Fuel injection/engine management:	Bosch Motronic MA 2.4	Fuel consumption @	
Catalytic converter:	Three-way converter with oxygen sensor	constant 90 km/h (55 mph)	4.3 liters (55 mpg)
Clutch:	Single-plate, dry	constant 120 km/h (75 mph)	5.2 liters (45 mpg)
Gearbox:	6-speed with dog-type hook shift	Fuel requirements:	Premium gasoline, unleaded, 91 (AKI)
Gear ratios:	I 2.045; II 1.600; III 1.267; IV 1.038; V 0.900; VI 0.800		
Final drive ratio:	2.75 : 1		
<b>Electrical system</b>			
Alternator:	14 V, 50 Amp (700 W)		
Battery:	BMW Mareg, 19 Amp/ low maintenance		

## The colors. Three choices: Night black, Bright Red, Mandarin Orange.

The Night Black version features a standard black seat. Black seats form an attractive contrast for the Bright Red and Mandarin Orange colors.

736 Mandarin Orange



#### Standard equipment

- Sports half-fairing with windshield
- Integrated ignition/steering lock
- Single key system
- Brake lever adjustable in 4 positions
- Clutch lever adjustable in 4 positions
- Side stand with no-start feature (engine may idle in neutral with the side stand extended)
- passenger seat cores

- Exhaust system completely made of stainless steel
- Three-way catalytic converter with oxygen sensor
- One-piece seat
- Clip-on handlebars
- Front Telelever with weight optimization
- Rear Paralever
- Hazard warning flasher
- Center stand

#### Optional equipment

- Heated handlebar grips
- Anti-lock braking (ABS II)
- Luggage case carrier
- High handlebars with high windshield
- Heavy duty alternator with larger battery
- Sporty suspension setting
- 5.5 inch rear wheel with 180/55 ZR - 17 tire

#### Accessories

- Engine spoiler
- System cases
- Inner bag for system cases
- Tank bag
- Soft handlebar grips
- Socket outlet
- Back pack

#### Chassis / suspension

##### Frame:

3-piece, consisting of front (chilled aluminum casting), rear (steel tubing), and main frame (aluminum compound design) with engine/gearbox unit suspended from the main frame

##### Front fork:

BMW Telelever with central suspension strut, continuously variable rebound stage

##### Front suspension travel:

110 mm (4.3 inches)

##### Rear swingarm:

Monolever (BMW Paralever)

##### Final drive:

Shaft drive

##### Rear suspension strut:

Central suspension strut with coil spring and single tube gas shock absorber, continuously variable rebound stage, hydraulically adjustable spring pre-load

##### Rear suspension travel:

130 mm (5.1 inches)

##### Brakes

###### Front:

Dual floating disc brakes (12" diameter), 4-piston fixed calipers

###### Rear:

Single disc (10.9" diameter), 2-piston floating caliper

##### Brake pads

###### Front:

sintered metal

###### Rear:

organic compound

##### Wheels:

alloy wheels with 5 double spoke design

###### Front:

3,50" x 17"

###### Rear:

5,00" x 17"

##### Tires

###### Front:

120/70 - ZR 17

###### Rear:

170/60 - ZR 17

735 Bright Red



716 Night Black  
U.S. bikes  
feature a  
black seat



**The new BMW R 1100 S.**  
Experience the sportiest  
BMW Boxer ever. See your  
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**Motorcycles**

The models displayed show the equipment available for Germany. They partially feature optional equipment that is not part of the standard scope of delivery. Due to legal conditions, deviations from the model versions and equipment shown are possible in certain countries. Please contact your BMW importer or authorized retailer for detailed information on the exact range of equipment and accessories. BMW reserves the right to make changes in design or equipment, errors and omissions excepted.

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