

# BMW R 51/2

BMW Group  
Mobile Tradition



The Ultimate  
Riding Machine

<b>Engine</b>	Begin of the Production	1950
	End of the Production	1951
	Internal Designation	254/3
	Motor Type	four-stroke two-cylinder flat-twin
	Bore	68 mm
	Stroke	68 mm
	Displacement	494 ccm
	Max Power	24 hp
	Rpm (Max Power)	5800 rpm
	Compression Ratio	6.4:1
	Valves	ohv
	Carburetion System	2 x carburettor type Bing 1/22/39 and 1/22/40
	Engine Lubricating System	forced-feed lubrication
<b>Power transmission</b>	Oil Pump	gear pump
	Clutch	single-plate, dry
	Number of Gears	4
	Shifting	foot shifting (+ auxiliary manual lever on the gear block)
	Gearbox Ratios	3.6/2.28/1.7/1.3
	Rear Wheel Ratio	3.89:1 (with sidecar 4.57:1)
	Bevel/Crownwheel	9/35 (with sidecar 7/32)
<b>Electrical system</b>	Generator	Bosch 6 V/75 W
	Ignition System	battery ignition
	Spark Plugs	Bosch W 240 T1
<b>Chassis</b>	Designation	251/2
	Frame	closed double steel tubular frame
	Front Wheel Suspension	telescopic fork
	Rear Wheel Suspension	telescopic suspension
	Wheel Rims	deep-bed rims
	Tyres front	3.5 x 19
	Tyres rear	3.5 x 19
	Brakes front	drum brakes Ø 200 mm (half hub)
	Brakes rear	drum brakes Ø 200 mm (half hub)
	<b>Dimensions and weights</b>	Length
Width		815 mm
Height		720 mm (Saddle)
Clearance		120 mm
Fuel Tank Capacity		14 l
Unladen Weight, Full Tank		185 kg
Load Rating		400 kg
Fuel Consumption		approx. 4 l/100 km
Oil Consumption		approx. 1 l/1000 km
Top Speed		135 kph
Numbers Produced		5.000
Price		2.750,- DM