

BMW R 51/3

BMW Group
Mobile Tradition



The Ultimate
Riding Machine

Engine	Begin of the Production	1951
	End of the Production	1954
	Internal Designation	252/1
	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	6.3:1
	Valves	ohv
Power transmission	Carburetion System	2 x carburettor type Bing 1/22/41 - 1/22/42 or 1/22/61 - 1/22/62
	Engine Lubricating System	forced-feed lubrication
	Oil Pump	gear pump
	Clutch	single-plate, dry
	Number of Gears	4
	Shifting	foot shifting (+ auxiliary manual lever on the gear block)
	Gearbox Ratios	4.0/2.28/1.7/1.3 (till the end of 1951: 3.6/2.28/1.7/1.3)
Electrical system	Rear Wheel Ratio	1:3.89 (with sidecar 1:4.75)
	Bevel/Crownwheel	9/35 teeth (with sidecar 7/32)
	Generator	Noris 6 V L 45/60 L
Chassis	Ignition System	magneto ignition
	Spark Plugs	Bosch W 240 T1
Dimensions and weights	Designation	251/3 (1951), 251/4 (1952/53), 251/4 (1954)
	Frame	double loop steel tubular frame
	Front Wheel Suspension	telescopic fork
	Rear Wheel Suspension	telescopic suspension
	Wheel Rims	deep-bed 3 x 19
	Tyres front	3.5 x 19
	Tyres rear	3.5 x 19
	Brakes front	drum brake Ø 200 mm (1952: duplex, 1954: full hub)
	Brakes rear	drum brake Ø 200 mm (1954: full hub)
	Length	2130 mm
	Width	790 mm
	Height	985 mm
	Wheel Base	1400 mm
	Fuel Tank Capacity	17 l
	Unladen Weight, Full Tank	190 kg (with original sidecar 320 kg)
	Load Rating	355 kg (with original sidecar 600 kg)
	Idle/Riding Noise	84/94 phon (from 7/7/1953: 81/85 phon)
Fuel Consumption	approx. 4,5 l/100 km	
Oil Consumption	approx. 0,7 l/1000 km	
Top Speed	135 kph (with original sidecar 95 kph)	
Numbers Produced	18.420	
Price	2.750,- DM	