

# Phil Hawksley's BM Bikes

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## BMW R68 Specifications

<b>Start of Production</b>	<b>1952</b>
<b>End of Production</b>	<b>1954</b>
<b>Numbers Produced</b>	<b>1,452</b>
<b>Price</b>	<b>3,950 DM</b>



### Engine

Internal Designation	268/1
Motor Type	Four-stroke two cylinder flat twin
Bore x Stroke	72 x 73 mm (2.83 x 2.87 in)
Displacement	594 cc
Max Power	35 hp at 7,000 rpm
Compression Ratio	8.0 : 1
Valves	OHV
Carburation System	2 x carburettor, Type Bing 1/26/9 - 1/26/10
Engine Lubricating System	Forced feed lubrication
Oil Pump	Gear pump

### Power Transmission

Clutch	Single plate, dry
Number of Gears	4
Shifting	Foot shifting (auxiliary manual lever on the gear block)
Gearbox Ratios	4.00 / 2.28 / 1.7 / 1.3
Rear Wheel Ratio	1: 3.89 (1 : 4.75 with sidecar)
Bevel/Crownwheel	9 / 35 teeth (7 / 32 with sidecar)

### Electrical System

Ignition System	Magneto ignition
Generator	Noris 6V L 45/60 L
Spark Plugs	Bosch W 240 T1

### Chassis

Designation	251/4
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 200 mm / 7.87 in diameter duplex, from 1954: full hub
Brakes, Rear	Drum brake 200 mm / 7.87 in diameter simplex, from 1954: full hub

### **Dimensions/Weights**

Length x Width x Height	2130 x 725 x 985 mm (83.85 x 38.77 x 38.77 in)
Wheel Base	1400 mm / 5.51 in
Fuel Tank Capacity	17 litres / 3.73 gal / 4.49 gal US
Unladen Weight with Full Tank	190 Kg / 422 lb with original sidecar, 320 Kg / 704 lb)
Idle/Riding Noise	85 / 96 phon, from 7/7/1953: 80 / 87 phon.
Load Rating	355 Kg ( / 781 lb with original sidecar, 600 Kg / 1321 lb)
Fuel Consumption	4.6 litres 100Km approx / 61 mpg / 51 mpg US
Oil Consumption	0.7 litres per 1,000 Km approx.
Top Speed	160 Kph / 99 mph (with original sidecar, 116 Kph / 72 mph)