

# Phil Hawksley's BM Bikes

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## BMW R5 Specifications

<b>Start of Production</b>	<b>1936</b>
<b>End of Production</b>	<b>1937</b>
<b>Numbers Produced</b>	<b>2,652</b>
<b>Price</b>	<b>1,550 RM</b>



### Engine

Internal Designation	254
Motor Type	Four-stroke two cylinder flat twin
Bore x Stroke	68 x 68 mm (2.67 x 2.67 in)
Displacement	494 cc
Max Power	24 hp at 5,500 rpm
Compression Ratio	6.7 : 1
Valves	OHV
Carburation System	2 x carburettor type Amal 5/423
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	3.6 / 2.28 / 1.7 / 1.3
Rear Wheel Ratio	1 : 3.89 (1 : 4.62 with sidecar)
Bevel/Crownwheel	9 / 35 teeth (8 / 37 with sidecar)

### Electrical System

Ignition System	Battery ignition
Generator	Bosch RD 45/6 2800 RS 15
Spark Plugs	Bosch W 225 T1

### Chassis

Designation	250
Frame	Twin loop pressed steel frame
Front wheel suspension	Telescopic fork
Rear wheel suspension	Rigid
Wheel rims	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
Brakes, Rear	Drum brake 200 mm / 7.87 in diameter

### **Dimensions/Weights**

Length x Width x Height	2130 x 800 x 950 mm (83.85 x 31.49 x 37.40 in)
Wheel Base	1400 mm / 55.11 in
Fuel Tank Capacity	15 litres / 3.29 gal / 3.96 gal US
Unladen Weight with Full Tank	165 Kg / 363 lb
Load Rating	210 Kg / 462 lb
Fuel Consumption	Approx. 3 litres per 100 Km / 94 mpg / 78 mpg US
Oil Consumption	Approx. 1 litre per 1,000 Km
Top Speed	140 Kph / 87 mph