

# Phil Hawksley's BM Bikes

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## BMW R16 Series 5 Specifications

<b>Start of Production</b>	<b>1934</b>
<b>End of Production</b>	<b>1934</b>
<b>Numbers Produced</b>	<b>1,006 (All Series)</b>
<b>Price</b>	<b>2,040 RM</b>



### Engine

Internal Designation	M 60 S 5
Motor Type	Four-stroke two cylinder flat twin
Bore x Stroke	83 x 68 mm (3.26 x 2.67 In)
Displacement	736 cc
Max Power	33 hp at 4,500 rpm
Compression Ratio	7.0 : 1, towards the end 6.5 : 1
Valves	OHV
Carburation System	2 carburettor Amal type 6/011 RH & LH
Engine Lubricating System	Forced feed lubrication
Oil Pump	Gear pump

### Power Transmission

Clutch	Double plates, dry
Number of Gears	3
Shifting	Manual/tank shifting gate
Gearbox Ratios	2.83 / 1.55 / 1.08
Rear Wheel Ratio	1 : 4.07 (1 : 4.75 with sidecar)
Bevel/Crownwheel	14/57 teeth (12/57 with sidecar)

### Electrical System

Ignition System	Battery ignition, optionally magneto ignition
Generator	Bosch B 245 RS or magneto ignition D 2 BRS 167
Spark Plugs	Bosch W175 T1 or Bosch 200 G 24

### Chassis

Designation	F 66 S 5
Frame	Twin loop pressed steel frame
Front wheel suspension	plate spring, 9 laminae with damping regulation
Rear wheel suspension	Rigid

Wheel rims	26 x 3.5 safety rims
Tyres, Front	26 x 3.5 low pressure or 26 x 3.25 high pressure
Tyres, Rear	26 x 3.5 low pressure or 26 x 3.25 high pressure
Brakes, Front	Drum brake 200 mm / 7.87 in diameter
Brakes, Rear	Cardan brake, 55 mm / 2.16 in width

### **Dimensions/Weights**

Length x Width x Height	2100 x 890 x 950 mm (82.67 x 35.03 x 37.40 in)
Wheel Base	1380 mm / 54.33 in
Fuel Tank Capacity	14 litres / 3.07 gal / 3.69 gal US
Unladen Weight with Full Tank	165 Kg / 363 lb
Load Rating	210 Kg / 462 lb
Fuel Consumption	Approx. 5 litres per 100 Km / 56 mpg / 47 mpg US
Oil Consumption	Approx. 1-2 litres per 1,000 Km
Top Speed	126 Kph / 78 mph