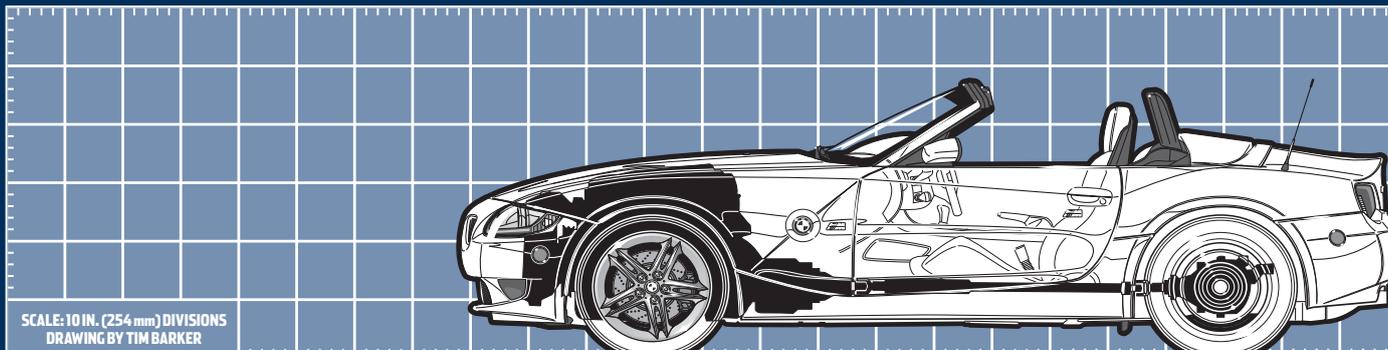


BMW M Roadster

BMW of North America, P.O. Box 1227, Westwood, N.J. 07657-1227; www.bmwusa.com

www.roadandtrack.com



SCALE: 10 IN. (254 mm) DIVISIONS
DRAWING BY TIM BARKER

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SPECIFICATIONS

PRICING

List price \$51,300
Price as tested \$59,495

Price as tested incl std equip. (ABS, dual front & side airbags, traction & yaw control, AM/FM/CD, climate control, tilt/telescope wheel, keyless entry, anti-theft system, xenon headlights, automatic soft top, heated outside mirrors; pwr windows/mirrors/door locks.), Premium Pkg (auto.-dimming mirrors, pwr driver seat w/memory, cruise control, premium sound system, BMW Assist w/Bluetooth) \$2500, Nappa leather upholstery (\$2700), heated seats (\$500), metallic paint (\$475), wood trim (\$250), hardtop preparation (\$75), gas-guzzler tax (\$1000), dest charge (\$695).

GENERAL DATA

Curb weight 3270 lb
Test weight 3450 lb

Weight dist (with driver), f/r %

Wheelbase 98.3 in.
Track, f/r 58.5 in./59.7 in.
Length 161.9 in.
Width 70.1 in.
Height 51.3 in.
Ground clearance 5.5 in.
Trunk space 7.8 (top up)/7.1 (top down) cu ft

ACCOMMODATIONS

Seating capacity 2
Head room 38.0 in.
Seat width 2 x 17.0 in.
Leg room 43.0 in.
Seatback adjustment 30 deg
Seat travel 7.5 in.

INSTRUMENTATION

180-mph speedometer, 9000-rpm tachometer, oil temp, fuel level

SAFETY

dual front & side impact airbags, traction & yaw control, anti-lock brakes, front seatbelt pretensioners, front seatbelt force limiters (all standard equip.)

WARRANTY

Basic warranty 4 years/50,000 miles
Powertrain 4 years/50,000 miles
Rust-through 12 years/unlimited miles

ENGINE

Type/layout cast-iron block, aluminum head, I-6/longitudinal

Valvetrain dohc 4-valve/cyl, variable timing, chain drive

Displacement 198 cu in./3246 cc
Bore x stroke 3.43 x 3.58 in./87.0 x 91.0 mm

Compression ratio 11.5:1
Horsepower (SAE) 330 bhp @ 7900 rpm
Bhp/liter 101.7
Torque 262 lb-ft @ 4900 rpm
Redline/limiter 8000/8000 rpm
Fuel injection elect. sequential port
Recommended fuel premium unleaded

DRIVETRAIN

Transmission: 6-speed manual

| Gear | Ratio | Overall ratio | (Rpm) Mph |
|------|--------|---------------|-----------------|
| 1st | 4.35:1 | 15.75:1 | (8000) 38 |
| 2nd | 2.50:1 | 9.05:1 | (8000) 66 |
| 3rd | 1.66:1 | 6.01:1 | (8000) 100 |
| 4th | 1.23:1 | 4.45:1 | (8000) 134 |
| 5th | 1.00:1 | 3.62:1 | est (7500) 155* |
| 6th | 0.85:1 | 3.08:1 | est (6400) 155* |

Final drive ratio 3.62:1
Engine rpm @ 60 mph in top gear 2450
*Electronically limited.

CHASSIS & BODY

Layout front engine/rear drive unit steel
Body/frame unit steel

Brakes Front: 13.7-in. drill & vent discs/1-piston sliding calipers
Rear: 12.9-in. drill & vent discs/1-piston sliding calipers

Assist type vacuum, ABS

Wheels Front: cast alloy, 18 x 8
Rear: cast alloy, 18 x 9

Tires Continental ContiSportContact
Front: 225/45ZR-18
Rear: 255/40ZR-18

Spare tire none, puncture kit
Steering rack & pinion, power assist

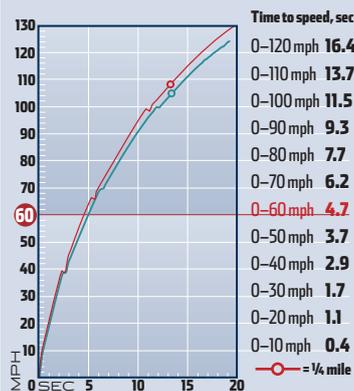
Steering ratio 16.2:1
Steering-wheel diameter 14.0 in.
Turns, lock to lock 3.0
Turning circle 34.3 ft

Suspension
Front: MacPherson struts, lower control arms, coil springs, tube shocks, anti-roll bar
Rear: multilink, coil springs, tube shocks, anti-roll bar

PERFORMANCE

ACCELERATION

| Time to distance | seconds |
|-----------------------|------------------------|
| 0-100 ft | 2.8 |
| 0-500 ft | 7.3 |
| 0-900 ft | 10.4 |
| 0-1320 ft (¼ mile) | 13.2 @ 107.9 mph |
| *05 Porsche Boxster S | ¼ mi: 13.4 @ 105.0 mph |



BRAKING

Minimum stopping distance

From 60 mph 115 ft
From 80 mph 208 ft

Total swept area 598 sq in.
Swept area/ton 366 sq in.

HANDLING

Lateral acceleration* 0.89g
Balance mild understeer
Slalom speed** 68.7 mph
Balance neutral
Lateral seat support very good
*200-ft skidpad; **700-ft slalom, 100-ft spacing.

FUEL ECONOMY

Our driving 19.9 mpg
EPA city/highway 16/24mpg
Cruise range 269 miles
Fuel capacity 14.5 gal.

INTERIOR NOISE

Idle in neutral 58 dBA
Maximum in 1st gear 79 dBA
Constant 50 mph 72 dBA
Constant 70 mph 75 dBA

TEST CONDITIONS

Temperature 72° F
Humidity 29%
Elevation 350 ft
Wind light
Location Irvine, California

0-60 mph 4.7 sec
0-¼ mile 13.2 sec
Top speed 155 mph*
Skidpad 0.89g
Slalom 68.7 mph
*Electronically limited.

AT A GLANCE

Test Notes:

ACCELERATION

The M Roadster responds best when launched around 3000 rpm with a quick yet smooth clutch release. Lean on the throttle after wheelspin subsides, shifting a tick shy of the indicated redline.

Test Notes:

BRAKING

Braking runs in the M Roadster are effortless and consistent—slam on the brakes and let the Continentals and ABS do the work.

Test Notes:

HANDLING

Lacking grip in the rear, the M roadster was extremely neutral through the slalom and achieved its fastest run with DSC on. It also pulled exactly the same g's in both directions on our skidpad.