

BMW of North America, Inc.

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2000 BMW Z3 SERIES SPECIFICATIONS

Bold indicates new specification for 2000.

	Z3 roadster 2.3	Z3 roadster 2.8	Z3 coupe 2.8
GENERAL			
Curb weight, lb., manual/automatic	2899/2987	2910/2998	2943/3031
Weight distribution, front/rear, %:			
Manual transmission	51.0/49.0	51.1/48.9	50.6/50.6
Automatic transmission	51.7/48.3	51.8/48.2	51.3/48.7
Wheelbase, in.	96.3 ¹		
Track, front/rear, in.	55.6/58.8 ¹		
Length x width x height, in.	159.4 x 68.5 x 50.9 ²		158.5 x 68.5 x 51.4

Z3 roadster 2.3	Z3 roadster 2.8	Z3 coupe 2.8
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¹ Specification applies to all models.

² Specification applies to both roadster models.

BODY

Type	Unitized all-steel structure ³	
Aerodynamic drag coefficient	0.42 ⁴	0.37
EPA size classification	2-Seater ³	

ACCOMMODATIONS

Seating capacity, persons	2 ³	
Shoulder room, in.	51.7 ³	
Head room, in.	37.6 (with top up) ⁴	36.7/37.8 ⁵
Leg room, in.	41.8 ³	
EPA interior volume, cu ft.	47.0 ⁴	82.0
EPA cargo volume, cu ft.	5.0 ⁴	9.0

ENGINE & ELECTRICAL

Engine type	DOHC inline 24-valve 6-cylinder, Double VANOS steplessly variable valve timing ³	
Bore x stroke, in./mm	3.31 x 2.95 / 84.0 x 75.0	3.31 x 3.31/ 84.0 x 84.0 ⁶
Displacement, cu in./cc	152/2494	170/2793 ⁶
Compression ratio	10.5:1	10.2:1 ⁶
Power @ rpm, hp	170 @ 5500	193 @ 5500 ⁶
Torque @ rpm, lb-ft.	181 @ 3500	206 @ 3500 ⁶
Engine-management system	Siemens MS 42 with knock control (2 sensors), variable valve timing, electromechanical throttle system, dual resonance intake system, engine cooling & other functions included in control strategy ³	

Z3 roadster 2.3

Z3 roadster 2.8

Z3 coupe 2.8

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⁴ Specification applies to both roadster models

⁵ Without/with optional power glass tilt roof panel.

⁶ Specification applies to both 2.8 models.

Fuel requirement
 Fuel capacity, U.S. gal.
 Battery capacity, amp-hr.
 Alternator output rating, amp./W

Premium unleaded ⁷
 13.5 ⁷
 70 ⁷
 90/1260 ⁷

DRIVETRAIN

Drive system
 Manual transmission

Front engine/rear drive ⁷
 Getrag Type B, ZF Type C,
 5-speed 5-speed ⁷

Ratios:

1st

4.23:1

4.21:1 ⁸

2nd

2.52:1

2.49:1 ⁸

3rd

1.66:1

1.66:1 ⁸

4th

1.22:1

1.24:1 ⁸

5th

1.00:1

1.00:1 ⁸

Reverse

4.04:1

3.85:1 ⁸

Final drive ratio

3.15:1 ⁷

Automatic transmission

THM R1, 4-speed, with Adaptive Transmission Control
 & selectable Economy & Sport shift modes ⁷

Ratios:

1st

2.86:1 ⁷

2nd

1.62:1 ⁷

3rd

1.00:1 ⁷

4th

0.72:1 ⁷

Reverse

2.00:1 ⁷

Final drive ratio

4.27:1

4.10:1 ⁸

⁷ Specification applies to both 2.8 models.

	Z3 roadster 2.3	Z3 roadster 2.8	Z3 coupe 2.8
CHASSIS			
Body/frame construction	Unitized steel ⁸		
Front suspension	Struts, arc-shaped lower arms, coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar ⁹		
Rear suspension	Semi-trailing arms, coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar ⁹		
Steering type	Rack & pinion, engine-speed-sensitive power assist ⁹		
Overall ratio	15.4:1 ⁹		
Turns lock-to-lock	2.75 ⁹		
Turning circle, ft.	32.8 ⁹		
Antilock braking system	11.3-in. ventilated discs front / 10.7-in. discs rear, vacuum-assisted ⁹		
Wheels (standard)	Cast alloy, 16 x 7.0 ⁹		
Wheels (optional)	Not available	Cast alloy, 17 x 7.5 front / 17 x 8.5 rear ⁹	
Tires (standard)	Performance, 225/50R-16 92V	Performance, 225/50ZR-16 ¹⁰	
Tires (optional)	Not available	225/45ZR-17 front / 245/40ZR-17 rear ¹⁰	
PERFORMANCE DATA			
Acceleration, 0-60 mph, sec., man./auto. ¹⁰	6.8/7.5	6.3/6.7	6.2/6.6
Top speed, mph	128 ^{9,11}		
Fuel economy, EPA est. MPG city/highway:			
manual transmission	20/27	19/26 ¹⁰	
automatic transmission	19/26	19/26 ¹⁰	

⁸ Specification applies to all models

⁹ Specification applies to both 2.8 models

¹⁰ BMW of North America, Inc. test results. Actual acceleration results may vary depending on specification of vehicle, road and environmental conditions; testing procedures; and driving style. These results should be used for comparison only, and verification should not be attempted on public roads. BMW urges you to obey all posted speed limits and to please wear your safety belt at all time.

¹¹ Electronically limited.