

## IMMEDIATE

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## 2001 BMW Z3 SERIES SPECIFICATIONS

**Bold** within table indicates new specification: roadster 2.5i relative to 2000 roadster 2.3, 3.0i models relative to 2000 2.8 models.

<b>GENERAL</b>	<b>Z3 roadster 2.5i</b>	<b>Z3 roadster 3.0i</b>	<b>Z3 coupe 3.0i</b>
Curb weight, lb.:			
Manual transmission	2899	2910	2943
Automatic transmission	2987	2998	3031
Weight distribution, front/rear, %:			
Manual transmission	51.0/49.0	51.1/48.9	50.6/49.4
Automatic transmission	51.7/48.3	51.8/48.2	51.3/48.7
Wheelbase, in.	96.3 <sup>1</sup>		
Track, front/rear, in.	55.6/58.8 <sup>1</sup>		
Length, in.	<b>159.4</b> <sup>2</sup>		158.5
Width, in.	68.5 <sup>1</sup>		
Height, in.	50.9 <sup>2</sup>		51.4

1 - Specification applies to all models.

2- Specification applies to both roadster models.

<b>BODY</b>	<b>Z3 roadster 2.5i</b>	<b>Z3 roadster 3.0i</b>	<b>Z3 coupe 3.0i</b>
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Type	Unitized all-steel structure <sup>1</sup>	
Aerodynamic drag coefficient	0.42 <sup>2</sup>	0.37
EPA size classification	2-Seater <sup>1</sup>	

## ACCOMMODATIONS

Seating capacity, persons	2 <sup>1</sup>	
Shoulder room, in.	51.7 <sup>1</sup>	
Head room, in.	37.6 (with top up) <sup>2</sup>	36.7/37.8 <sup>3</sup>
Leg room, in.	41.8 <sup>1</sup>	
EPA interior volume, cu ft.	47.0 <sup>2</sup>	82.0
EPA cargo volume, cu ft.	5.0 <sup>2</sup>	9.0

## ENGINE & ELECTRICAL

Engine type	DOHC inline 24-valve 6-cylinder, Double VANOS steplessly variable valve timing <sup>1</sup>	
Bore x stroke, in./mm	3.31 x 2.95 / 84.0 x 75.0	3.31 x <b>3.53</b> / 84.0 x <b>89.6</b> <sup>4</sup>
Displacement, cc/cu in.	2494/152	<b>2979/182</b> <sup>4</sup>
Compression ratio	10.5:1	10.2:1 <sup>4</sup>
Power @ rpm, hp	<b>184 @ 6000</b>	<b>225 @ 5900</b> <sup>4</sup>
Torque @ rpm, lb-ft.	<b>175 @ 3500</b>	<b>214 @ 3500</b> <sup>4</sup>

1 – Specification applies to all models.

2 – Specification applies to both roadster models.

3 – Without/with power glass tilt roof panel.

4 – Specification applies to both 3.0i models.

ENGINE & ELECTRICAL (cont.)	Z3 roadster 2.5i	Z3 roadster 3.0i	Z3 coupe 3.0i
Engine-management system	Siemens MS 43 with knock control (2 sensors), variable valve timing, <b>electronic</b> throttle system, dual resonance intake system, engine cooling & other functions included in control strategy <sup>1</sup>		
Fuel requirement	Premium unleaded <sup>1</sup>		
Fuel capacity, U.S. gal.	13.5 <sup>1</sup>		
Battery capacity, amp-hr.	70 <sup>1</sup>		
Alternator output rating, amp./W	90/1260 <sup>1</sup>		
<b>DRIVETRAIN</b>			
Drive system	Front engine/rear drive <sup>1</sup>		
Manual transmission	Getrag Type B, 5-speed	ZF Type C, 5-speed <sup>4</sup>	
Ratios: 1st	4.23:1	4.21:1 <sup>4</sup>	
2nd	2.52:1	2.49:1 <sup>4</sup>	
3rd	1.66:1	1.66:1 <sup>4</sup>	
4th	1.22:1	1.24:1 <sup>4</sup>	
5th	1.00:1	1.00:1 <sup>4</sup>	
Reverse	4.04:1	3.85:1 <sup>4</sup>	
Final drive ratio	<b>3.46:1</b>	<b>3.07:1 <sup>4</sup></b>	

1 – Specification applies to all models.

4 – Specification applies to both 3.0i models.

<b>DRIVETRAIN (cont.)</b>	<b>Z3 roadster 2.5i</b>	<b>Z3 roadster 3.0i</b>	<b>Z3 coupe 3.0i</b>
Automatic transmission	<b>GM 5, 5-speed STEPTRONIC</b> with Adaptive Transmission Control & selectable		
Sport		mode <sup>1</sup>	
Ratios: 1st	<b>3.42:1</b> <sup>1</sup>		
2nd	<b>2.22:1</b> <sup>1</sup>		
3rd	<b>1.60:1</b> <sup>1</sup>		
4th	<b>1.00:1</b> <sup>1</sup>		
5 <sup>th</sup>	<b>0.75:1</b> <sup>1</sup>		
Reverse	<b>3.03:1</b> <sup>1</sup>		
Final drive ratio	<b>3.91:1</b>	<b>3.46:1</b> <sup>4</sup>	

## **CHASSIS**

Body/frame construction	Unitized steel <sup>1</sup>
Front suspension	Struts, arc-shaped lower arms, coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar <sup>1</sup>
Rear suspension	Semi-trailing arms, coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar <sup>1</sup>
Steering type	Rack & pinion, engine-speed-sensitive power assist <sup>1</sup>
Overall ratio	15.4:1 <sup>1</sup>
Turns lock-to-lock	2.75 <sup>1</sup>
Turning circle, ft.	32.8 <sup>1</sup>

1 – Specification applies to all models.

4 – Specification applies to both 3.0i models.

CHASSIS (cont.)	Z3 roadster 2.5i	Z3 roadster 3.0i	Z3 coupe 3.0i
Antilock braking system, vacuum-assisted:			
Diameter, front, mm/in.	286/11.3	300/11.8 <sup>4</sup>	
Diameter, rear, mm/in.	272/10.7 <sup>1</sup>		
Wheels (standard)	Cast alloy, 16 x 7.0	Cast alloy, 17 x 7.5 front / 17 x 8.5 rear <sup>4</sup>	
Wheels (optional)	Same size as standard, different styles <sup>4</sup> (Sport Package for roadsters, stand-alone for coupe)		
Tire	Performance, 225/50R-16 92V	Performance, 225/45ZR-17 front / 245/40ZR-17 rear <sup>4</sup>	

## PERFORMANCE DATA

Acceleration, 0-60 mph, sec., man./auto. <sup>5</sup>	6.7/6.8	5.9/6.0 <sup>4</sup>	
Top speed, mph	128 <sup>1,6</sup>		
Fuel economy, EPA est. MPG, city/highway:			
manual transmission	20/27	21/28 <sup>4</sup>	
automatic transmission	19/26	19/25	19/27

1 – Specification applies to all models.

4 – Specification applies to both 3.0i models.

5 – BMW AG 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 times.

6 – Electronically limited.