

Specifications.

MINI Cooper SD Roadster, MINI Cooper SD Roadster Automatic.



(Status: October 2011)

Body		MINI Cooper SD Roadster	MINI Cooper SD Roadster Automatic
No of doors/seats		2 / 2	2 / 2
Length/width/height (unladen)	mm	3734 / 1683 / 1390	3734 / 1683 / 1390
Wheelbase	mm	2467	2467
Track, front/rear	mm	1453 / 1461	1453 / 1461
Turning circle	m	10.7	10.7
Tank capacity	approx. l	40	40
Cooling system incl. heater	l	6.6	7.0
Engine oil	l	5.2	5.2
Transmission oil incl. drive train	l	Lifetime	Lifetime
Weight, unladen to DIN/EU ¹	kg	1200 / 1275	1215 / 1290
Max load to DIN	kg	290	290
Max permissible load	kg	1490	1505
Max axle load, front/rear	kg	890 / 620	905 / 620
Max trailer load			
braked (12%) / unbraked	kg	- / -	- / -
Max roofload/max download	kg	- / -	- / -
Luggage compartment	l	240	240
Air drag c_x / A / $c_x \times A$	- / m ² / m ²	0.37 / 1.98 / 0.73	0.37 / 1.98 / 0.73
Engine			
Config/No of cyls/valves		Inline / 4 / 4	Inline / 4 / 4
Engine management		DDE 7.2.1	DDE 7.2.1
Capacity	cm ³	1995	1995
Bore/stroke	mm	84.0 / 90.0	84.0 / 90.0
Compression ratio	:1	16.5	16.5
Fuel grade	RON	Diesel	Diesel
Max output	kW / hp	105 / 143	105 / 143
at	min ⁻¹	4000	4000
Max torque (with overboost)	Nm	305	305
at	min ⁻¹	1750–2700	1750–2700
Electrical system			
Battery/installation	Ah / –	70 / Engine compartment	70 / Engine compartment
Alternator	A	150	150
Chassis			
Suspension, front		Single-joint MacPherson spring strut axle with anti-dive control	
Suspension, rear		Multi-link axle with aluminium longitudinal struts and centrally-pivoted control arms	
Front brakes		Vented disc	Vented disc
Diameter	mm	294 x 22	294 x 22
Rear brakes		Disc	Disc
Diameter	mm	259 x 10	259 x 10
Driving stability systems		Hydraulic two-circuit brake system with anti-lock brakes (ABS), Electronic Brake Force Distribution (EBD) and Cornering Brake Control (CBC), Dynamic Stability Control (DSC) with Brake Assist and Hill Start Assistant, optional: Dynamic Traction Control (DTC) and Electronic Differential Lock Control (EDLC). Parking brake acts mechanically on rear wheels	
Steering		Electric power steering (EPS); 2.4 rotations in total	
Steering transmission, overall	:1	14.1	14.1
Tyres		195/55 R16 87V	195/55 R16 87V
Wheels		6.5J x 16 light-alloy	6.5J x 16 light-alloy
Transmission			
Type of gearbox		6-gear manual transmission	6-speed automatic transmission
Gear ratios	I	:1	3.308
	II	:1	2.130
	III	:1	1.483
	IV	:1	1.139
	V	:1	0.949
	VI	:1	0.816
Reverse gear	:1	3.231	3.193
Final drive ratio	:1	3.706	3.683
Performance			
Power-to-weight ratio to DIN	kg/kW	11.4	11.6
Output per litre	kW/l	52.6	52.6
Acceleration	0–100 km/h	s	8.1
	0–1000 m	s	29.2
in 4th/5th gear	80–120 km/h	s	6.7 / 8.0
Top speed	km/h	212	204

Fuel consumption in EU cycle			
Urban	l/100 km	5.3	7.1
Extra-urban	l/100 km	4.0	4.4
Composite	l/100 km	4.5	5.4
CO ₂	g/km	118	143
Miscellaneous			
Emission rating		EU5	EU5
Insurance ratings Germany	HPF/VK/TK	²	²
Ground clearance (empty)	mm	134	134

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)

¹ Weight of the car in road trim (DIN) plus 75 kg for driver and luggage.

² Data not yet available.