



# Technical Specifications.

## MINI Cooper SD Convertible, MINI Cooper SD Convertible Automatic.

<b>Body</b>		<b>MINI Cooper SD Convertible</b>	<b>MINI Cooper SD Convertible Automatic</b>
No of doors / seats		2 / 4	2 / 4
Length / width / height (unladen)	mm	3729 / 1683 / 1414	3729 / 1683 / 1414
Wheelbase	mm	2467	2467
Track, front / rear	mm	1459 / 1467	1459 / 1467
Turning circle	m	10.7	10.7
Tank capacity	approx. l	40	40
Cooling system incl. heater	l	5.4	5.4
Engine oil	l	5.2	5.2
Transmission oil incl. drive train	l	Lifetime	Lifetime
Weight, unladen to DIN / EU <sup>1)</sup>	kg	1250 / 1325	1265 / 1340
Max load to DIN	kg	430	430
Max permissible load to DIN	kg	1680	1695
Max axle load, front / rear	kg	905 / 790	925 / 790
Max trailer load <sup>2)</sup> braked (12%) / unbraked	kg	- / -	- / -
Max roofload / max download	kg	- / -	- / -
Luggage comp to DIN	l	125 / 170 – 660	125 / 170 – 660
Air drag c <sub>x</sub> / A / c <sub>x</sub> × A	- / m <sup>2</sup> / m <sup>2</sup>	0.37 / 2.02 / 0.75	0.37 / 2.02 / 0.75
<b>Engine</b>			
Config / No of cyls / valves		Inline / 4 / 4	Inline / 4 / 4
Engine management		MEVD 7.2.1	MEVD 7.2.1
Capacity	cm <sup>3</sup>	1995	1995
Bore / stroke	mm	84 / 90	84 / 90
Compression ratio	:1	16.5	16.5
Fuel grade	RON	Diesel	Diesel
Max output	kW / hp	105 / 143	105 / 143
At	min <sup>-1</sup>	4000	4000
Max torque	Nm	305	305
At	min <sup>-1</sup>	1750–2700	1750–2700
<b>Electrical System</b>			
Battery / installation	Ah / –	70 / Engine compartment	70 / Engine compartment
Alternator	A	150	150
<b>Chassis</b>			
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	280 × 22	280 × 22
Rear brakes		Disc	Disc
Diameter	mm	259 × 10	259 × 10
Driving stability systems		Hydraulic two-circuit brake system with anti-lock brakes (ABS), Electronic Brake Force Distribution (EBD) and Cornering Brake Control (CBC), ASC+T traction control, 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 × 16 LM	6.5J × 16 LM
<b>Transmission</b>			
Type of gearbox		6-gear manual transmission	6-speed automatic transmission
Gear ratios	I	:1	3.308
	II	:1	1.870
	III	:1	1.194
	IV	:1	0.872
	V	:1	0.721
	VI	:1	0.596
Reverse gear	:1	3.231	3.193
Final drive ratio	:1	3.706	3.683
<b>Performance</b>			
Power-to-weight ratio to DIN	kg/kW	11.9	12
Output per litre	kW/l	52.6	52.6
Acceleration	0–100 km/h	s	8.7
	0–1000 m	s	29.8
In 4 <sup>th</sup> / 5 <sup>th</sup> gear	80–120 km/h	s	7.1 / 8.6
Top speed	km/h	210	203
<b>Fuel Consumption in EU Cycle</b>			
Urban	l/100 km	5.3	7.1
Extra-urban	l/100 km	4	4.4
Composite	l/100 km	4.5	5.4
CO <sub>2</sub>	g/km	118	143
<b>Miscellaneous</b>			
Emission rating		EU5	EU5
Ground clearance	mm	139	139

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

<sup>1)</sup> Weight of the car in road trim (DIN) plus 75 kg for driver and luggage

<sup>2)</sup> Deviations are possible under certain circumstances.