

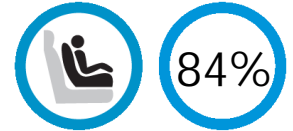
Mazda 3

Mazda 3 1.6 'Touring', LHD

2009



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 31 pts | 86%

FRONTAL IMPACT

15,3 pts



Driver



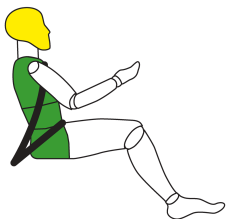
Passenger

SIDE IMPACT CAR

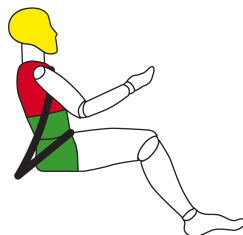
7,5 pts

SIDE IMPACT POLE

5,5 pts



Car



Pole

REAR IMPACT (WHIPLASH)

2,5 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	2mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	clutch - 52mm
Upward pedal movement	clutch - 16mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard cloth, 4 way manual adjust
Head restraint type	Reactive
Geometric assessment	-0,4 pts

TESTS

- High severity	2,3 pts
- Medium severity	2,4 pts
- Low severity	2,5 pts

CHILD OCCUPANT

Total 41 pts | 84%

18 MONTH OLD CHILD

Restraint Britax Romer Baby Safe
Group 0, 0+
Facing rearward
Installation ISOFIX anchorages and top tether



PERFORMANCE **12 pts**
 INSTRUCTIONS **4 pts**
 INSTALLATION **2 pts**

FRONTAL IMPACT

Head forward movement protected
 Head acceleration good
 Chest load good

SIDE IMPACT

Head containment protected
 Head acceleration good

3 YEAR OLD CHILD

Restraint Britax Romer Duo Plus
Group 1
Facing forward
Installation ISOFIX anchorages and support frame



PERFORMANCE **12 pts**
 INSTRUCTIONS **4 pts**
 INSTALLATION **2 pts**

FRONTAL IMPACT

Head forward movement protected
 Head acceleration good
 Chest load good

SIDE IMPACT

Head containment protected
 Head acceleration good

VEHICLE BASED ASSESSMENT

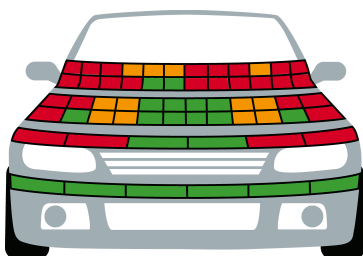
5 pts

Airbag warning Label

Text and pictogram warning label permanently attached to both sides of the passenger sun visor

PEDESTRIAN

Total 18 pts | 51%



GOOD
 MARGINAL
 POOR

HEAD 10,2 pts
 PELVIS 2 pts
 LEG 6 pts

SAFETY ASSIST

Total 5 pts | 71%

SPEED LIMITATION ASSISTANCE 0 pts

- 0, not available

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- standard

SEATBELT REMINDER 2 pts

- driver 1 pts
 - passenger 1 pts

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Mazda 3 1.6 'Touring', LHD
Body type	5 door hatchback
Year of publication	2009
Kerb weight	1257kg
VIN from which rating applies	from JMZBL14Z201124005

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	single stage
Front passenger frontal airbag	single stage
Side body airbags	
Side head airbags	
Driver knee airbag	

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact, the windscreen pillar moving rearward by only 2mm. The car scored maximum points for its protection of the driver dummy. Protection of the passenger was rated as adequate for the chest and good for other body regions. Mazda were able to demonstrate that the knees and femurs of occupants of different sizes, and of those sat in different seating positions, would be similarly well protected. In the side barrier impact, dummy readings were good in all body regions. However, the curtain airbag did not deploy fully at the rear, leaving a space where an occupant's head might contact the C pillar. This was penalised by Euro NCAP and is reflected in a lowered score for the driver's head protection. The same phenomenon occurred in the more severe side pole test and that test was similarly penalised. In the pole test, dummy readings in the chest indicated poor protection. The seat and head restraint provided marginal protection against whiplash injuries in a rear impact.

Child occupant

Based on dummy readings from the frontal and side barrier tests, the Mazda 3 scored maximum points for its protection of both the 18 month and the 3 year infant. Forward movement of the head of the 3 year old, sat in a forward facing restraint, was well controlled. In the side impact, both dummies were properly contained by the shells of their restraints. The passenger airbag can be disabled to allow a rearward facing child restraint to be used in that seating position. However, information provided to the dummy regarding the status of the airbag is not sufficiently clear. Cars with serial numbers greater than JMZBL14Z201124005 have a permanently visible label warning of the dangers of using a rearward facing restraint in that seat without first disabling the airbag. Earlier cars did not have such labels and would have scored two points less for child occupant protection, although the star rating would be unchanged.

Pedestrian

The bumper scored maximum points for its protection of pedestrians' legs. However, in those areas most likely to be struck by an adult's head, the bonnet provided poor protection and scored no points.

Safety assist

Electronic Stability Control is standard equipment on the Mazda 3, as is a seatbelt reminder system for the driver and front passenger seats.