

## Mazda 3

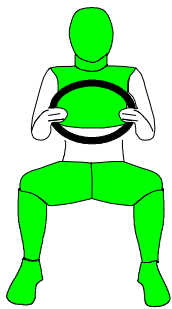


**2009**

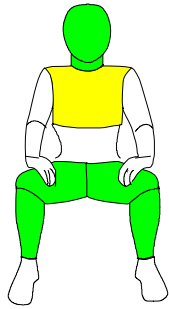
	Adult Occupant	Child Occupant	Pedestrian	Safety Assist	
Score	30.839	41.000	18.227	5.000	
Max Points available	36	49	36	7	
Normalised Score (%)	<b>86</b>	<b>84</b>	<b>51</b>	<b>71</b>	
Weighting (%)	50	20	20	10	TOTAL
Weighted Percentage Score	43.0	16.8	10.2	7.1	<b>77</b>

### Rating Requirements (2009)

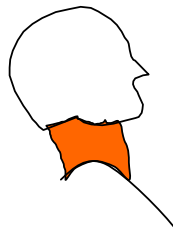
	Normalised Score (%)				TOTAL
★★★★★★	75	70	25	60	70
★★★★★	60	55	15	40	55
★★★★	30	30	10	25	45
★★★	25	25	5	15	35
★★	15	15	0	5	20



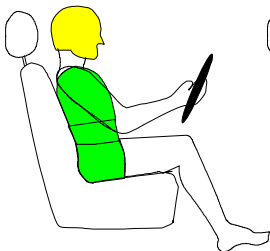
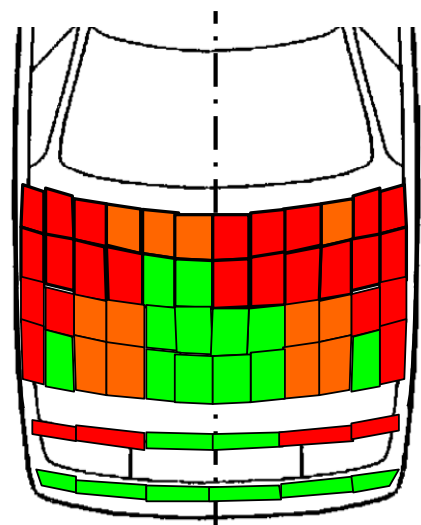
Driver



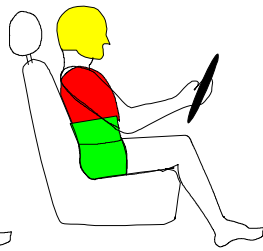
Passenger



Rear Impact (Whiplash)



Side



Pole

TEST RESULTS IN FULL	
<b>FRONTAL IMPACT HEAD</b>	
Driver airbag contact	stable
Passenger airbag contact	stable
<b>Steering Wheel</b>	
rearward displacement	none
upward displacement	none
lateral displacement	11mm to the right
<b>FRONTAL IMPACT CHEST</b>	
Contact with steering wheel	none
Screen pillar rearward	2mm
Passenger compartment integrity	stable
<b>FRONTAL IMPACT UPPER LEGS, KNEES AND PELVIS</b>	
Stiffer structures present	none
Concentrated knee loading	none
<b>FRONTAL IMPACT LOWER LEGS, FEET AND ANKLES</b>	
Rearward pedal displacement	clutch - 52mm
Upward pedal displacement	clutch - 16mm
Footwell rupture	none
<b>SIDE IMPACT AIRBAGS</b>	
Head protection airbag	yes
Torso protection airbag	yes
<b>CHILD PROTECTION</b>	
Restraints used	
18 month old	Britax Romer BabySafe Plus, rearward facing using ISOFIX anchorages and support frame
3 year old	Britax Romer Duo Plus, forward facing using ISOFIX anchorages and top tether
<b>CHILD RESTRAINTS FRONTAL IMPACT</b>	
Airbag disabling/warning label	Text and pictogram warning label permanently attached to both sides of the passenger sun visor
Forward head movement	
18 mth old (behind passenger)	protected
3 year old (behind driver)	protected
Chest Protection	
18 mth old: total load	good
vertical load	good
3-year-old: total load	good
vertical load	good
<b>CHILD RESTRAINTS SIDE IMPACT</b>	
Head protection	
18 mth old (struck side)	protected
3 year old (non-struck side)	protected
Head acceleration	
18 mth old	good
3 year old	good

## CAR TESTED



<b>Make, model and hand of drive</b>	Mazda 3 1.6 'Touring', LHD
<b>Body type</b>	5 door hatchback
<b>Year tested</b>	2009
<b>Kerb weight</b>	1257kg
<b>Chassis number from which Euro NCAP rating applies</b>	from JMZBL14Z201124005
<b>Safety Equipment</b>	Driver and passenger single stage frontal airbags; side impact chest airbag; side impact head airbag; front seatbelt pretensioners and load limiters; ISOFIX and top tether anchorages in rear outboard seats; electronic stability control; driver and front passenger seatbelt reminder.



## COMMENTS

<b>ADULT OCCUPANT</b>	<p>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.</p>
<b>CHILD PROTECTION</b>	<p>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.</p>
<b>PEDESTRIAN PROTECTION</b>	<p>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.</p>
<b>SAFETY ASSIST</b>	<p>Electronic Stability Control is standard equipment on the Mazda 3, as is a seatbelt reminder system for the driver and front passenger seats.</p>

**Euro NCAP's rating applies fully only to the model with the specifications detailed here. Some equipment may not be fitted as standard to all versions in all countries. You should ensure that your car is fitted with the safety equipment you require.**



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