

TEST RESULTS

Mazda 6

Mazda 6, 2.2DE Wagon, 'Core' grade, LHD

2013 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 33 pts | 92%

FRONTAL IMPACT

14,4 pts



Driver



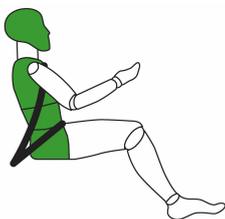
Passenger

SIDE IMPACT CAR

7,5 pts

SIDE IMPACT POLE

7,9 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,6 pts



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

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	Accelerator - 21mm
Upward pedal movement	Clutch - 11mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard cloth, 4 way manual adjust
Head restraint type	Passive
Geometric assessment	0,9 pts

TESTS

- High severity	2,4 pts
- Medium severity	2,8 pts
- Low severity	2,7 pts

CHILD OCCUPANT

Total 38 pts | 77%

CRASH TEST PERFORMANCE

18 MONTH OLD CHILD

Restraint Britax-Römer BabySafe Plus
Facing rearward facing
Installation ISOFIX and Supportleg



PERFORMANCE **12 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-Römer Duo Plus
Facing forward facing
Installation ISOFIX and TopTether



PERFORMANCE **7,9 pts**

FRONTAL IMPACT

Head forward movement vulnerable
Head acceleration good
Chest load good

SIDE IMPACT

Head containment protected
Head acceleration good

CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isofix

Safety features score **7 pts**
Installation check score **11 pts**

Pass Install without problem
Partial Fail Install with care
Fail Safety critical problem
Exempt Installation not allowed

	SEAT POSITION							
	FRONT		2nd ROW			3rd ROW		
	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
Maxi Cosi Cabriofix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
BeSafe iZi Kid X3 Isofix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (ISOFIX)	N/A	Exempt	P Fail	Exempt	P Fail	N/A	N/A	N/A
Römer BabySafe (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A

PEDESTRIAN

Total 24 pts | 66%



- GOOD
- ADEQUATE
- MARGINAL
- WEAK
- POOR

HEAD	17,8 pts
PELVIS	0 pts
LEG	6 pts

SAFETY ASSIST

Total 7 pts | 81%

SPEED ASSISTANCE SYSTEM 1,3 pts

Standard	
Speed Information	NOT ASSESSED
Speed Assistance (Manual)	

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- DSC	Pass
Yaw rate ratio (1.00s)	1,53 %
Yaw rate ratio (1.75s)	1,45 %
Lateral displacement (1.07s)	3,15 m

SEATBELT REMINDER 3 pts

- driver and passenger	Pass
- rear	Pass

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Mazda 6, 2.2DE Wagon, 'Core' grade, LHD
Body type	5 door wagon
Year of publication	2013
Kerb weight	1420kg
VIN from which rating applies	from JMZGJ622621142289

SAFETY EQUIPMENT

Front seatbelt pretensioners
Front seatbelt load limiters
Driver frontal airbag
Front passenger frontal airbag
Side body airbags
Side head airbags
Speed Limitation Assistance
Electronic Stability Control
Seatbelt Reminder

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. Mazda showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different positions. In the side barrier test, dummy readings showed good protection of all body areas. However, the driver's door was found not to be fully latched when the car was inspected after the test and the car was penalised. There were no such problems in the side pole test and the car demonstrated adequate protection of the chest and good protection of all other body areas. The seat and head restraint provided good protection against whiplash injury in the event of a rear-end collision.

Child occupant

Based on dummy readings in the impact tests, the Mazda 6 scored maximum points for its protection of the 1½ year infant. Forward movement of the 3 year dummy, sat in a forward-facing restraint, was not excessive but the dummy's head contacted the rear head restraint on rebound. Although the contact was not hard, the car was penalised for poor control of the dummy movement, losing all points for the head. The passenger airbag can be disabled to allow a rearward-facing restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. The child restraints which the car is designed to accommodate could be installed without a problem, except for the Group II/III restraint in the rear outboard seats which needed careful guidance of the ISOFIX probes in order to be properly fitted. Cars before VIN JMZGJ622621142289 have different cut-outs for the ISOFIX anchorages and installation of child restraints may differ slightly from the cars assessed by Euro NCAP.

Pedestrian

The bumper scored maximum points for its protection of pedestrians' legs. However, the front edge of the bonnet offered poor protection to the pelvis of a struck pedestrian and scored no points. On the bonnet surface, head protection was predominantly good or adequate.

Safety assist

Electronic stability control is standard equipment and met Euro NCAP's test requirements. All seating positions are covered by a standard-fit seatbelt reminder. Cars from VIN JMZGJ622621142289 have a driver-set speed limitation device which met Euro NCAP's requirements for such systems.