# **Crash Test Results**

# New Car Safety NISSAN MICRA

#### 2007 on

### Dual front airbags



- Occupant Protection Score Variant: 5 door hatch Kerb weight: 980 kg Vehicles built: 2008
- 22.18 out of 37 Eng: 1.4 litre Category: LIGHT CAR

#### Model History and Safety Features

The tested model of Nissan Micra was introduced in Australia during 2007.

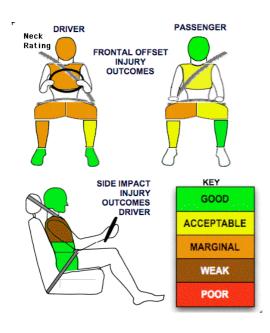
Dual front airbags, are standard equipment. Antilock brakes (ABS), with electronic brakeforce distribution (EBD) and brake assist are also standard. Side airbags and head-protecting side curtains are available on the City Collection variant. Electronic stability control (ESC) is not available.

The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. A two point seat belt is fitted to the centre rear seat. This provides inferior protection compared with a three point seat belt.

#### **OCCUPANT PROTECTION: 3 Stars**

The Micra scored 9.26 out of 16 in the offset crash test. The passenger compartment held its shape reasonably well. Protection from serious neck, chest and leg injury was marginal for the driver.

The vehicle scored 12.92 out of 16 in the side impact crash test. There was a moderate risk of serious chest injury for the driver.





Offset crash test at 64km/h

#### FRONTAL OFFSET CRASH TEST (v4.1)

*Body region scores out of 4 points each*: Head/neck 2.4 pts, chest 2.39 pts, upper legs 1.81 pts, lower legs 2.67 pts.

The passenger compartment held its shape reasonably well in the offset crash test. The accelerator pedal moved rearwards by 81 mm. The brake pedal moved downwards 4mm. The steering wheel hub moved 3 mm rearward, 57mm downward and 22 mm sideways. The front ("A") pillar moved 43 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual effort.

The airbag cushioned the head of the driver but contact was unstable, with the head rolling off the side and striking the door. Steering column and console components were a potential source of injury for the driver's knees. =A metal bracket near the glove box was a potential source of injury for the passenger's knees.

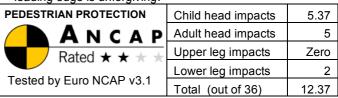
#### SIDE IMPACT CRASH TEST (v4.1)

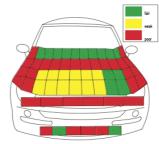
*Body region scores out of 4 points each*: Head 4 pts, chest 0.92 pts, abdomen 4 pts, pelvis 4 pts.

The vehicle was not eligible for a Pole Impact Test since it did not have head-protecting side airbags. This test can earn eligible vehicles an extra two points.

#### **PEDESTRIAN PROTECTION: 2 Stars**

This pedestrian rating is based on a test of a Micra 3-door hatch by Euro NCAP in 2003. The zones where an adult's and child's head might strike have softer areas and two parts of the front bumper are compliant. But the bonnet's leading edge is unforgiving.





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## **TECHNICAL DATA - NISSAN MICRA - 2007 on**

#### **INJURY MEASUREMENTS**

Body region		Offset Crash Te (v4.1	Side Impact Crash Test at 50km/h (v4.1)	
		Driver	Passenger	Driver
Head HIC		654	307	269
Acceleration (g for 3ms)		61.0	45.0	62.5
Neck - Shear (kN)		0.58	0.46	-
Tension (kN)		2.94	1.31	-
Extension (Nm)		34.8	17.8	-
Chest Accln (g for 3ms)		46.500	37.200	-
Compression (mm)		33.30	27.90	27.40
Viscous criterion (m/s)		0.20	0.17	0.34
Abdomen - Force (kN)		-	-	0.824
Pelvis - Force (kN)		-	-	2.340
Upper legs Force (kN)	Left	1.56	2.49	
	Right	1.59	2.93	
Knee displ (mm)	Left	1.16	0.24	
	Right	2.73	8.68	
Lower legs Force (kN)	Left	1.75	1.25	
	Right	1.22	2.76	
Index (Upper/Low)	Left	0.37 /0.42	0.32 /0.36	
	Right	0.32 /0.70	0.61/0.17	

#### Bonus points (maximum 5)

Pole Test: Not eligible due to a lack of head-protecting side airbags Seat belt reminders: 0 (see table below for details)

#### Modifiers - deductions from offset test scores

Head Unstable airbag contact Chest Upper leg Variable & conc. loading Driver Passn Lower leg Foot score Note: Steering column and pedal moven 1 pt deduction No deduction 2 pt deduction Left & Right 1 pt deduction Left & Right No deduction Score 4 points

Note: Steering column and pedal movements are measured relative to the driver's seat.

#### Modifiers - deductions from side impact test scores

Chest T12 moment

2 pt deduction

#### Safety features

These specifications are subject to change. Please check with manufacturer for the latest specifications.

Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	S/S/S
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	X#
Side airbags, front seats - chest protection	V	3 point centre rear seat belt	Х
Side airbags. front seats - head protection	V	Active head restraints - front seats	S
Side airbags. rear seats - head protection	V	Intelligent seat belt reminder - driver	Х
Driver knee airbag	Х	Intelligent seat belt reminder - front passenger	Х
Seat belt pretensioners (Front/rear outboard)	S/X	Rear seat belt status indicator	х

Key:

S = standard on all variants

O = optional on base variant. May be standard on higher variants

V= not available on base variant but standard or optional on higher variants

X = not available on any variant

# ESC required by ANCAP for 5 star rating from 2008



