

# Crash Test Results

## New Car Safety

### NISSAN NAVARA 4x4

2008 on

Dual front airbags\*



Offset crash test at 64km/h

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

Body region scores out of 4 points each: Head/neck 4 pts, chest 1.32 pts, upper legs 1.56 pts, lower legs zero pts.

The integrity of the passenger compartment was compromised in the offset crash test. The clutch pedal moved rearwards by 177 mm and upwards 46 mm. The footwell ruptured. The steering wheel hub moved 52 mm rearward, 44 mm upward and 43mm sideways. The front ("A") pillar moved 63 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. Dash components were a potential source of injury for the driver and passenger knees. The passenger's head was cushioned by the airbag.

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

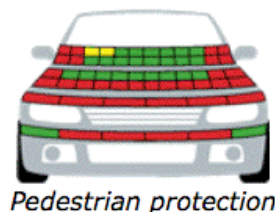
Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 4 pts, pelvis 4 pts.

The side impact test simulates a small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height like the Navara. Experience shows that such vehicles can be expected to perform well in this test and the Navara scored full marks.

#### PEDESTRIAN PROTECTION: 2 Stars

The part of the bonnet surface most likely to be hit by an adult's head was rated predominantly fair for the protection it offered. All other areas - bonnet surface likely to hit by a child's head, the front edge of the bonnet and the bumper - were rated as predominantly poor.

PEDESTRIAN PROTECTION		
<p>Tested by Euro NCAP v4.1</p>	Child head impacts	4.50
	Adult head impacts	7.71
	Upper leg impacts	Zero
	Lower leg impacts	2
	Total (out of 36)	14.21



■ GOOD  
■ ADEQUATE  
■ MARGINAL

**Occupant Protection**  
Rated ★★☆☆

**Occupant Protection Score 22.88 out of 37**

\* Safety equipment, as tested, not standard on all variants

Variant: dual cab Eng: 2.5 diesel, manual

Kerb weight: 2040 kg Category: UTILITY

Vehicles built: 2008 and 2007 Tested by Euro NCAP

**Important note:** The European model with dual airbags and seat belt pretensioners was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

#### Model History and Safety Features

The tested model of Nissan Navara (D40) was introduced in Australia during 2005. An enhancement to the airbag software was introduced late in 2007 and this rating applies to airbag-equipped vehicles with this enhancement. Nissan Australia is conducting a related service campaign for earlier vehicles.

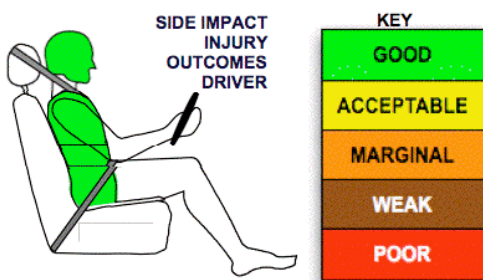
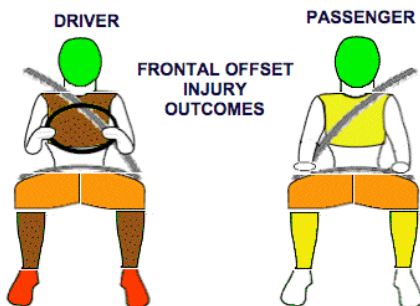
Dual front airbags and seat belt pretensioners (as fitted to the tested vehicle) are optional on the 4x4 RX and standard on other variants. Occupant protection can be expected to be worse without these features. Antilock brakes (ABS) with brake assist are also optional on the 4x4 RX and standard on other variants.

Three point seat belts are fitted to all seats. These provide better protection than a two point (lap) seat belts.

#### OCCUPANT PROTECTION: 3 Stars

The Nissan Navara scored 6.88 out of 16 in the offset crash test. The integrity of the passenger compartment was compromised. Protection from serious chest and leg injury was weak for the driver.

The vehicle scored 16 out of 16 in the side impact crash test.



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navara408.doc

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**ANCAP**  
Crash testing for safety  
AUSTRALASIAN  
NEW CAR ASSESSMENT  
PROGRAM

# TECHNICAL DATA - NISSAN NAVARA (D40) 4x4 Dual Cab - 2008 on

## INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passenger	Driver
<b>Head HIC</b>	405	528	31
Acceleration (g for 3ms)	62.8	58.5	29.0
<b>Neck - Shear (kN)</b>	0.37	0.39	-
Tension (kN)	2.10	0.66	-
Extension (Nm)	11.2	12.2	-
<b>Chest Accln (g for 3ms)</b>	-	-	-
Compression (mm)	33.75	25.15	20.92
Viscous criterion (m/s)	0.18	0.13	0.26
<b>Abdomen - Force (kN)</b>	-	-	0.520
<b>Pelvis - Force (kN)</b>	-	-	0.490
<b>Upper legs Force (kN)</b>			
Left	2.54	1.90	
Right	1.78	2.88	
Knee displ (mm)			
Left	1.00	6.20	
Right	0.10	7.00	
<b>Lower legs Force (kN)</b>			
Left	2.61	1.60	
Right	6.87	2.85	
Index (Upper/Low)			
Left	0.66 /1.19	0.45 /0.34	
Right	0.96 /0.74	0.47/0.48	

### Bonus points (maximum 5)

Pole Test: Not eligible due to a lack of head-protecting side airbags

Seat belt reminders: None in Australia (see table below for details)

### Modifiers - deductions from offset test scores

Head	No deduction
Chest Unstable passenger compartment	1 pt deduction
Upper leg Variable & conc. loading for driver and passenger	2 pt deduction Left & Right
Lower leg	No deduction
Foot score Pedal rearward footwell rupture & blocked pedal	Score zero points

### Modifiers - deductions from side impact test scores

Chest	No deduction
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### Safety features

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



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

Key: \* Model tested by Euro NCAP earned a bonus point for an intelligent seat belt reminder. This is not fitted in Australia.

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