

Crash Tests

New Car Safety

Nissan DUALIS

10/2007 on 01/0001 - Dual Frontal

Overall Evaluation



Overall Score
Variant: ST

31.83 out of 37
Engine: 1.6 litre
Category: Compact SUV

The left-hand-drive European model (marketed as the Qashqai) 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. A 2 litre engine is standard in Australia.

Model History and Safety Features

The tested model of Nissan DUALIS was introduced in Australia in October 2007. Dual front airbags and antilock brakes (ABS), electronic brake distribution (EBD) are standard equipment. Side airbags, head-protecting side curtain airbags and electronic stability control (ESC) are optional on the ST variant and standard on the TI variant. Intelligent seat belt reminders earned three bonus points from Euro NCAP but they are not fitted to the Australasian DUALIS. 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 three point seat belt is fitted to the centre rear seat. This provides better protection than a two point (lap) seat belt.

Overall Evaluation: 4

4 stars. The DUALIS scored 15.83 out of 16 in the offset crash test. The passenger compartment held its shape very well. There was a slight risk of serious chest injury was for the driver. All other injury measurements were good. ANCAP awarded the non-curtain model a default score of 16 out of 16 in the side impact crash test. A separate ANCAP rating is available for the curtain-equipped DUALIS.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.83 pts, upper legs 4 pts, lower legs 4 pts.

The passenger compartment held its shape well in the offset crash test. The clutch pedal moved rearwards by 65mm and upwards 10 mm. The steering wheel hub moved 45mm rearward, 2mm upward and 8mm sideways. The front ("A") pillar moved 5mm forwards. All doors remained closed during the crash and opened with normal effort after the crash.

The airbag cushioned the head of the driver and contact was stable. There were no knee hazards.

Side Impact Crash Test

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

The side impact test normally used by ANCAP 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 DUALIS. Experience shows that such vehicles can be expected to perform well in this test so ANCAP has decided to award full score for these vehicles instead of conducting a crash test.

Pedestrian rating (v4.1)



Child head impacts 4.12
Adult head impacts 8
Upper leg impacts Zero
Lower leg impacts 6
Total (out of 36) 18.12

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test aa 50km/h (v4.1) Driver
	Driver	Passn	
Head			
- HIC	202	201	
- Acceleration (g for 3ms)	33.9	38.2	
Neck			
- Shear (kN)	0.5	0.64	
- Tension (kN)	1.24	1.08	
- Extension (Nm)	9.7	6.3	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	23.2	20.4	
- Viscous Criterion (m/s)	0.06	0.07	
Abdomen			
- Force (kN)			
Pelvis			
- Force (kN)			
Upper Legs Force (kN)			
- Left	0.08	0.2	
- Right	0.1	0.17	
Knee Displacement (kN)			
- Left	0.8	0.1	
- Right	0.5	0	
Lower Legs Force (kN)			
- Left	1.09	1.14	
- Right	0.9	0.77	
Index (Upper Lower)			
- Left	0.31 0.17	0.23 0.13	
- Right	0.28 0.17	0.19 0.11	

Bonus points (maximum 5)

Pole Test: Model w/o side curtains not eligible
Seat Belt Reminders: None in Australia

Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg	No deduction
Lower leg	No deduction
Foot score	No deduction
Structure	4 points

Modifiers for side impact test scores

Head	Default score awarded
Chest	
Upper leg	
Lower leg	
Foot score	
Structure	



Version 1, Published on: 21/11/2007
Published by
New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601