

# Crash Tests

## New Car Safety

### AUDI A4 (LHD)

2001 on

Front+side+head airbags

#### Overall Evaluation



#### Overall score

30.39 out of 37

Variant: SEDAN

Eng: 2 litre.

Kerb weight: 1370 kg

Category: LUXURY

Vehicles built: 2001

Test by Euro NCAP

**Important note:** The *left-hand-drive* European model was tested by EuroNCAP. 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 Audi A4 was introduced in Australia in 2001. Dual front airbags, side airbags and head-protecting side curtains are standard equipment. ABS brakes and electronic stability control are also standard.

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 seat belt.

#### OVERALL EVALUATION : 4 Stars

The Audi A4 scored 12.39 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest injury was marginal for the driver.

The vehicle scored 16 out of 16 in the side impact crash test and an extra 2 points in the optional pole test. A further 2 points were scored in the optional pole test.

#### FRONTAL OFFSET CRASH TEST

*Body region scores out of 4 points each:* Head/neck 4pts, chest 2.63pts, upper legs 2pts, lower legs 3.75pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 30mm and upwards 1mm. The steering wheel hub moved rearwards 14mm, and upwards 13mm. The front pillar moved 29mm rearwards. The width of the driver's doorway shortened by 29mm. All doors remained closed during the crash. After the crash high manual effort was required to open the driver's door.

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

#### SIDE IMPACT CRASH TEST

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

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four points for the head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.



Offset crash test at 64km/h

#### INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h		Side Impact Crash Test at 50km/h
	Driver	Passn	Driver
Head HIC	300	291	84.78
Acceleration (g for 3ms)	41.13	40.07	33.54
Neck - Shear (kN)	0.28	0.51	-
Tension (kN)	0.42	0.56	-
Extension (Nm)	7.01	7.38	-
Chest Accln (g for 3ms)			-
Compression (mm)	31.57	25.87	13.6
Viscous criterion (m/s)	0.12	0.08	0.06
Abdomen - Force (kN)	-	-	0.33
Pelvis - Force (kN)	-	-	1.29
Upper legs Force (kN)	0.7	2.04	
Left			
Right	3.23	0.74	
Knee displ (mm)			
Left	0.08	2.78	
Right	1.92	2.20	
Lower legs Force (kN)			
Left	1.22	2.00	
Right	1.67	2.37	
Index (Upper/Low)			
Left	0.28/0.2	0.3/0.4	
Right	0.4/0.39	0.29/0.18	

#### Bonus points (maximum 5)

Pole Test: 2pts      Seat belt reminders: Not eligible

#### Modifiers for offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading	2 pt deduction L & R
Lower leg	No deduction
Foot score	Score 4 points

**Pedestrian rating** - tested to earlier protocol



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