

# Crash Tests

## New Car Safety

### VOLKSWAGEN GOLF\*

1998 on

Dual front & side airbags



Offset crash test at 64km/h

#### Overall Evaluation\*



Overall score\*

24.78 out of 34

Variant: 5 Door Hatch, LHD  
Kerb weight: 1140 kg  
Vehicles built: Jan & Mar 1998

Engine: 4 Cyl. 1.6 litre.  
Category: SMALL CAR  
Tested by EuroNCAP

**\*Important note:** The *left-hand-drive* European Golf with *side airbags* was tested by EuroNCAP. Australian specifications may vary and therefore models sold in Australia might provide different levels of protection to those described on this sheet.

#### Safety features

Dual front airbags are standard equipment in Australia and Europe. Side airbags are standard in Europe but are not currently available on most variants in Australia.

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 severe crash.

#### OVERALL EVALUATION : 4 Stars

The VW GOLF performed reasonably well in the offset crash test (score 10.09 out of 16). The passenger compartment held its shape very well and intrusion was well controlled, except for brake pedal movement.

The vehicle performed very well in the side impact crash (score 14.69 out of 16).

#### FRONTAL OFFSET CRASH TEST

The passenger compartment held its shape very well. However the brake pedal moved rearwards by 17cm. The width of the driver's doorway shortened by 3cm. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

The driver's head was cushioned by the airbag and contact was stable but during rebound the driver's head hit the centre pillar. The airbag provided good head protection for the passenger, although chest protection could be improved.

#### SIDE IMPACT CRASH TEST

The centre pillar and the side doors were pushed inwards moderately.

The seat-mounted side airbag cushioned the driver's chest and abdomen and protection was adequate (the side airbag is not standard equipment in Australia).

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, giving a maximum possible overall score of 34 points.

#### 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	283	180	83
Acceleration (g for 3ms)	44	33	35
Neck - Shear (kN)	<limit	<limit	-
Tension (kN)	<limit	<limit	-
Extension (Nm)	14	16	-
Chest Accln (g for 3ms)	49	52	-
Compression (mm)	29	35.65	25.35
Viscous criterion (m/s)	0.16	0.28	0.3
Abdomen - Force (kN)	-	-	1.24
Pelvis - Force (kN)	-	-	2.03
Upper legs Force	Left	<limit	<limit
(kN)	Right	<limit	<limit
Knee displ (mm)	Left	0.08	2.1
	Right	3.4	0
Lower legs Force	Left	1.6	3.2
(kN)	Right	1.8	1.7
Index (Upper/Low)	Left	0.95/0.38	0.55/0.35
	Right	0.65/0.4	0.41/0.21

#### Modifiers for offset test scores

Head		Nil
Chest		Nil
Upper leg	Variable loading	1 pt penalty L & R
Foot score	Brake pedal movement	1.04 score

#### PEDESTRIAN RATING: ★★



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