

Crash Tests

New Car Safety

VOLKSWAGEN POLO(LHD)

2001 on Dual front airbags

Overall Evaluation



Overall score 25.53 out of 34
 Variant: 3 DR HATCH Eng: 1.4 litre
 Kerb weight: 940 kg Category: LIGHT/SMALL CAR
 Vehicles built: 2000 Tested by EuroNCAP

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 VW Polo was introduced in Australia in 2001.

Dual front airbags are standard equipment.

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. These seat belts also have load limiters.

OVERALL EVALUATION : 4 Stars

The VW Polo scored 10.66 out of 16 in the offset crash test. The passenger compartment held its shape well. There were no poor injury results.

The vehicle scored 14.88 out of 16 in the side impact crash test. Protection from serious injury was good to adequate.

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 3.13pts, chest 3.05pts, upper legs 1.32pts, lower legs 3.16pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 121mm and upwards -32mm. The steering wheel hub moved rearwards 38mm and upwards 86mm. The front ("A") pillar moved 21mm rearwards. All doors remained closed during the crash. After the crash the driver's door was able to be opened normally.

The airbag cushioned the head of the driver and contact was stable. There were hard components behind the dash that were hazardous to the driver's knees. The passenger's injury measurements were good to adequate.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 3.68pts, chest 4pts, abdomen 3.2pts, pelvis 4pts.

The driver's head hit the side window, which did not break. Protection from serious head injury was adequate.

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.



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	244.1	256.8	300.3
Acceleration (g for 3ms)	10.59	41.1	73.29
Neck - Shear (kN)	0.46	0.55	-
Tension (kN)	1.51	1.11	-
Extension (Nm)	29.53	11.54	-
Chest Accln (g for 3ms)	0	0	-
Compression (mm)	16.91	28.66	19.14
Viscous criterion (m/s)	0.1	0.15	0.14
Abdomen - Force (kN)	-	-	1.3
Pelvis - Force (kN)	-	-	2.81
Upper legs Force			
(kN) Left	1.22	2.53	
(kN) Right	4.69	1.29	
Knee displ (mm)			
Left	2.91	4.34	
Right	2.76	0.87	
Lower legs Force			
(kN) Left	1.31	2.61	
(kN) Right	2.04	2.34	
Index (Upper/Low)			
Left	0.36/0.49	0.47/0.18	
Right	0.37/0.4	0.35/0.26	

Modifiers for offset test scores

Head No penalty
 Chest No penalty
 Upper leg Variable & conc. loading 2pt penalty L&R
 Lower leg No penalty
 Foot score Brake pedal rearward Score 3.16 pts

Pedestrian rating

12.58 points out of 36 (34.9%)



Child head impacts 6.30pts; adult head impacts 6.28pts; upper leg zero pts and lower leg impacts zero pts.



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