

Crash Test Results

New Car Safety

BMW X1 Diesel (LHD)

2010 on

Front+side+head airbags



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST (v4.2)

Body region scores out of 4 points each: Head/neck 4 pts, chest 2.73 pts, upper legs 4 pts, lower legs 3.29 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved forwards by 10mm. The accelerator pedal moved upwards 9 mm. The steering wheel hub moved 45mm forward, 7mm downward and 5 mm sideways. The front ("A") pillar moved 5 mm rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

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

SIDE IMPACT CRASH TEST (v4.2)

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

The vehicle was eligible for an optional pole impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

PEDESTRIAN PROTECTION: 3 Stars

The bumper scored maximum points for protection of pedestrians' legs. However, the front edge of the bonnet scored no points. The bonnet offered mostly good protection for head impacts.

Occupant Protection Score 34.02 out of 37

Variant: -

Eng: 2 litre diesel

Kerb weight: 1490 kg

Category: 4WD - COMPACT

Vehicles built: 2009

Tested by Euro NCAP

Important note: The *diesel left-hand-drive* European model 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 X1 was introduced in Australia during 2010.

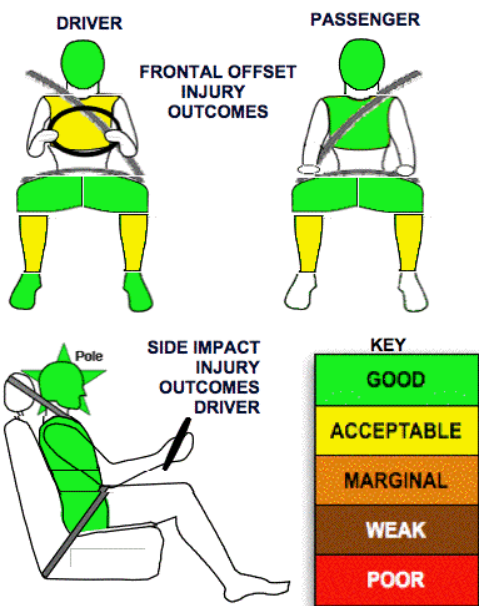
Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brakeforce distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted to both front seats. A reversing camera is available.


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.

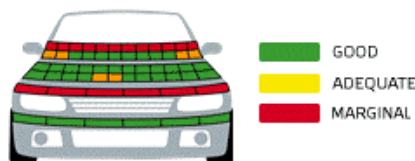
OCCUPANT PROTECTION: 5 Stars

The X1 scored 14.02 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest and for the driver.

The vehicle scored 16 out of 16 in the side impact crash test and a further two points in the optional pole test.



PEDESTRIAN PROTECTION	Child head impacts	11.54
 ANCAP Rated ★ ★ ★ ★ Tested by Euro NCAP v4.2	Adult head impacts	5.08
	Upper leg impacts	Zero
	Lower leg impacts	6
	Total (out of 36)	22.62



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TECHNICAL DATA - BMW X1 - 2010 on

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.2)		Side Impact Crash Test at 50km/h (v4.2)
	Driver	Passenger	Driver
Head HIC	243	196	24
Acceleration (g for 3ms)	41.0	36.2	16.6
Neck - Shear (kN)	0.98	0.69	-
Tension (kN)	0.75	0.76	-
Extension (Nm)	6.6	23.1	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	30.89	16.71	20.40
Viscous criterion (m/s)	0.08	0.04	0.17
Abdomen - Force (kN)	-	-	0.440
Pelvis - Force (kN)	-	-	0.800
Upper legs Force (kN)			
Left	0.65	2.10	
Right	0.17	0.50	
Knee displ (mm)			
Left	0.00	0.00	
Right	0.00	0.00	
Lower legs Force (kN)			
Left	2.60	1.85	
Right	2.47	1.91	
Index (Upper/Low)			
Left	0.56 /0.23	0.43 /0.20	
Right	0.45 /0.29	0.47/0.16	

Bonus points (maximum 5)

Pole Test: 2 pts

Seat belt reminders: 2 (see table below for details)

Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading	No deduction
Lower leg	No deduction
Foot score	Score 4 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	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	S/S/S
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	S#
Side airbags, front seats - chest protection	S	3 point centre rear seat belt	S
Side airbags, front seats - head protection	S	Active head restraints - front seats	X
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	S
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	S
Seat belt pretensioners (Front/Rear outboard)	S/X	Intelligent seat belt reminder - rear seats	X

Key:

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