

# Crash Test Results

## New Car Safety

### BMW X3

2007 on

Front+side+head airbags



Offset crash test at 64km/h

#### FRONTAL OFFSET CRASH TEST (v4.1)

Body region scores out of 4 points each: Head/neck 4.000 pts, chest 2.530 pts, upper legs 2.000 pts, lower legs 3.244 pts.

The passenger compartment held its shape well in the offset crash test. The clutch pedal moved rearwards by 40 mm and upwards 17 mm. The steering wheel hub moved 15mm forward, 37 mm upward and 1mm sideways. The front ("A") pillar moved 6 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual effort.

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. The glove box and centre console were a potential knee hazard for the passenger.

#### SIDE IMPACT CRASH TEST (v4.1)

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, 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 one further points. A door opened during both tests.

#### PEDESTRIAN PROTECTION: 1 Star

**Occupant Protection Score 27.77 out of 37**

Variant: - Eng: 2 litre diesel  
Kerb weight: 1750 kg Category: 4WD - Medium  
Vehicles built: 2008 Tested by Euro NCAP

**Important note:** The *diesel* right-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 BMW X3 was introduced in Australia during 2007.


Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard.

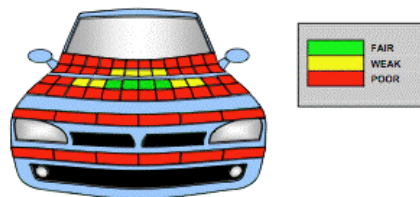
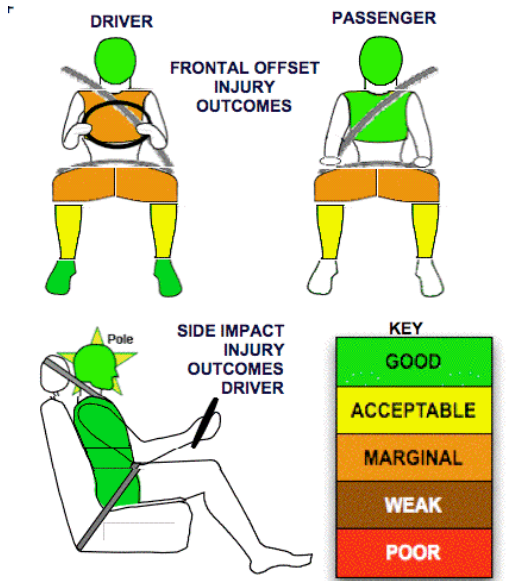
The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point (lap) seat belt.

#### OCCUPANT PROTECTION: 4 Stars

The BMW X3 scored 11.77 out of 16 in the offset crash test. The passenger compartment held its shape well. Protection from serious chest and leg injury was marginal for the driver. Passenger leg protection was also marginal.

The vehicle scored 15 out of 16 in the side impact crash test and one point in the optional pole test.

PEDESTRIAN PROTECTION	Child head impacts	3.32
 <b>ANCAP</b> Rated ★ ★ ★ ★ ★ Tested by Euro NCAP v4.1	Adult head impacts	1.60
	Upper leg impacts	Zero
	Lower leg impacts	Zero
	Total (out of 36)	4.92



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# TECHNICAL DATA - BMW X3- 2007 on

## INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passenger	Driver
<b>Head HIC</b>	559	270	41
Acceleration (g for 3ms)	62.0	39.2	22.1
<b>Neck - Shear (kN)</b>	0.87	0.58	-
Tension (kN)	0.89	0.58	-
Extension (Nm)	5.2	15.2	-
<b>Chest Accln (g for 3ms)</b>	-	-	-
Compression (mm)	32.29	19.96	18.45
Viscous criterion (m/s)	0.11	0.06	0.07
<b>Abdomen - Force (kN)</b>	-	-	0.350
<b>Pelvis - Force (kN)</b>	-	-	0.530
<b>Upper legs Force</b>			
Left (kN)	0.54	0.27	
Right (kN)	0.17	1.51	
<b>Knee displ (mm)</b>			
Left	0.00	0.00	
Right	0.00	0.00	
<b>Lower legs Force</b>			
Left (kN)	2.62	2.47	
Right (kN)	2.49	2.47	
<b>Index (Upper/Low)</b>			
Left	0.39 /0.39	0.55 /0.19	
Right	0.53 /0.36	0.57 /0.24	

### Bonus points (maximum 5)

Pole Test: 1 pt

Seat belt reminders: None eligible (see table below for details)

### Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading for driver and passenger	2 pt deduction Left & Right
Lower leg	No deduction
Foot score	Score 4 points

### Modifiers - deductions from side impact test scores

Chest	No deduction
Door opened - side impact test	1 pt deduction
Door opened - pole test	1 pt deduction

### 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	S
Side airbags, rear seats - head protection		Intelligent seat belt reminder - driver	X*
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X
Seat belt pretensioners (Front/Rear)	S/X	Rear seat belt status indicator	X

Key: \* Seat belt reminders not eligible for bonus points according to Euro NCAP assessment.

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

