

ANCAP Safety Rating

FIAT PANDA (From 2013)



Test Vehicle(s).

Variant:	Fiat Panda 1.2 petrol
Kerb Mass:	940 kg
Built:	2013
Engine:	1.2L Petrol
Category:	SMALL CAR
Variant Applicability*:	1.2 petrol only

Note: The left-hand-drive European model with a 1.2L petrol engine was tested by Euro NCAP.



Frontal offset test at 64 km/h (Euro NCAP)

Airbags	ESC	Frontal Offset	Side Impact	Pole	Whiplash	Pedestrian	Seat Belt Reminders	Overall Score	ANCAP Safety Rating
Frontal + Side + Head	Standard	13.78 (out of 16)	14.00 (out of 16)	2 (out of 2)	GOOD	MARGINAL	3 (out of 3)	32.78 (out of 37)	★★★★★

The tested model of Fiat Panda was introduced in Australia and New Zealand in 2013. This ANCAP safety rating only applies to variants with a 1.2 petrol engine. Other variants are unrated

Dual frontal, side chest and side head airbags (curtains) are standard. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Advanced seat belt reminders are fitted to all seats.

In the offset crash test driver chest and leg protection was acceptable and passenger leg protection was also acceptable. In the side impact crash test driver chest protection was marginal. Head protection in the side pole test was good.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.19 points
Upper legs:	3.00 points
Lower legs:	3.59 points

The passenger compartment held its shape well in the offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

Side Impact Test.

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	2.00 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Mostly good protection was provided for the driver in the side impact test. Points were deducted for excessive loading of the dummy's spine.

Pole Test.

Scored out of 2 points

The vehicle was eligible for a side pole test because it has side curtain airbags. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test.

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	Good
Dynamic test:	Good
Overall whiplash rating:	Good

Injury Outcomes.

Frontal Offset Driver



Passenger



Side Impact & Pole Driver



Whiplash



PEDESTRIAN PROTECTION

Pedestrian Test.

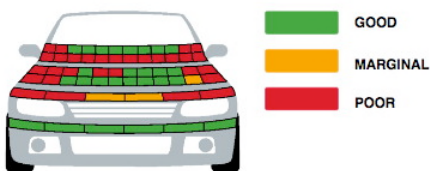
MARGINAL - Scored 17.52 out of 36 points

Child head impacts:	6.72 points
Adult head impacts:	4.00 points
Upper leg impacts:	0.80 points
Lower leg impacts:	6.00 points

The bumper provided good protection to pedestrians' legs and scored maximum points. However, the front edge of the bonnet was predominantly poor. In those areas likely to be struck by the head of a child, the bonnet provided good protection in some test areas but was mostly poor or marginal. In the areas likely to be struck by an adult's head, the car offered predominantly poor protection.



Fiat Panda



(Tested by Euro NCAP v6.0)

SAFETY FEATURES

These specifications are subject to change. Please check with manufacturer for the latest specifications. For a description of these safety features and safety rating requirements see the ANCAP Rating Road Map.

Safety Assist Technology (SAT)	Availability
Front airbag - driver	S
Front airbag - passenger	S
Side airbags (chest protection) - front seats	S
Side airbags (head protection) - front seats	S
Side airbags (head protection) - 2nd row seats	s
Knee airbag - driver	X
Three-point seat belts for all forward facing seats	S
Seat belt pretensioners (front / rear outboard)	S / X
Intelligent seat belt reminder - driver	S
Intelligent seat belt reminder - front passenger	S
Intelligent seat belt reminder - 2nd row seats	S
Head restraints for all seats	S
Antilock brakes (ABS)	S
Electronic brake distribution (EBD)	S
Emergency brake assist (EBA)	S
Electronic stability control (ESC)	S
Adaptive cruise control (ACC)	X
Autonomous emergency braking (AEB)	V
Lane support system	X
Daytime running lights	S

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.

INJURY MEASUREMENTS

Body Region	Frontal offset test at 64 km/h (v6.0)		Side impact test at 50 km/h (v6.0)
	Driver	Passenger	Driver
Head			
HIC	547.00	425.00	51.00
Acceleration (g for 3ms)	53.00	52.00	27.20
Neck			
Shear (kN)	0.73	0.42	-
Tension (kN)	1.60	0.44	-
Extension (Nm)	30.00	12.10	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	27.68	20.50	20.85
Viscous criterion (m/s)	0.11	0.07	0.17
Abdomen			
Force (kN)	-	-	0.72
Pelvis			
Force (kN)	-	-	2.47
Upper legs			
Femur force left (kN)	0.13	1.00	-
Femur force right (kN)	0.09	0.10	-
Knee displacement left (mm)	0.10	0.00	-
Knee displacement right (mm)	0.60	0.00	-
Lower legs			
Force left (kN)	2.26	2.61	-
Force right (kN)	1.81	1.14	-
Index (upper / lower) left	0.45 / 0.39	0.41 / 0.22	-
Index (upper / lower) right	0.31 / 0.27	0.35 / 0.20	-

INTRUSION MEASUREMENTS

Steering Column

Rearwards:	9mm
Upwards:	12mm
Sideways:	1mm

Pedals

Clutch (forwards):	29mm
Clutch (downwards):	37mm
A-Pillar (rearwards):	3mm

SCORE DEDUCTIONS

Deductions from frontal offset test scores

Left knee hazard for driver: 0.5 points from upper leg score
Right knee hazard for driver: 1 point from upper leg score

Deductions from side impact test score

Excessive T12 load: 2 points from chest score.

Deductions from pole test score

No deductions for pole test.

* For information about the application of ANCAP ratings to model variants see the ANCAP Variant Policy. In brief, ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases ANCAP considers technical evidence submitted by manufacturers before deciding on extending a rating to additional variants of a model.

^ Refer ANCAP Rating Road Map (www.ancap.com.au/media).

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