

ANCAP Safety Rating

FORD RANGER (from May 2014)



Test Vehicle(s).

Tested Variant:	Ford Ranger Double Cab 4x4 RHD
Kerb Mass:	2090 kg
Built:	2011
Engine:	2.2 diesel (Europe)
Category:	Utility / Van
Variant Applicability*:	All variants from May 2014

Note: The RHD 2.2 diesel European model Ford Ranger was tested by Euro NCAP. ANCAP was provided with information which showed that the Euro NCAP results apply to all Australasian variants.



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	15.72 (out of 16)	16.00 (out of 16)	2 (out of 2)	ACCEPTABLE	ACCEPTABLE	2 (out of 3)	35.72 (out of 37)	★★★★★

The tested model of Ford Ranger was introduced in Australia and New Zealand in 2011. This 5 star ANCAP safety rating applies to all variants built from May 2014. Separate ANCAP safety ratings are available for variants built prior to this date.

Dual front airbags, head-protecting side curtains, antilock brakes (ABS), electronic brakeforce distribution (EBD) and electronic stability control (ESC) are standard on all 5 star variants. Side thorax airbags are also standard except for single cabs with three front seats (bench seats).

Intelligent seat belt reminders are fitted to both front seats of most variants however single cab variants with three front seats only have a driver seat belt reminder. The lack of side thorax airbags and a passenger seat belt reminder do not affect the 5 star safety rating for these variants but their overall score reduces to 34.72.

In the frontal offset crash test, driver chest protection was acceptable. Driver protection was good in the side impact test. 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:	3.72 points
Upper legs:	4.00 points
Lower legs:	4.00 points

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. The vehicle tested by Euro NCAP had a driver knee airbag that is not available for Australasian models however Ford provided technical information to ANCAP which demonstrated that the Australasian models have comparable upper leg protection to the European model. 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:	4.00 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Good protection was provided for the driver in the side impact test.

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:	Acceptable
Overall whiplash rating:	Acceptable

Injury Outcomes.

Frontal Offset Driver



Passenger



Side Impact & Pole Driver



Whiplash



ANCAP Safety Rating FORD RANGER (from May 2014)



PEDESTRIAN PROTECTION

Pedestrian Test.

ACCEPTABLE - Scored 22.98 out of 36 points

Child head impacts:	10.02 points
Adult head impacts:	8.96 points
Upper leg impacts:	4.00 points
Lower leg impacts:	0.00 points

When tested in 2011, the European model earned the highest pedestrian protection score of any vehicle. However the Australasian model has a different bumper to Europe. ANCAP decided to apply a default lower leg score of zero since additional tests are unlikely to improve the rating to the "good" rating achieved in Europe.



(Tested by Euro NCAP v5.3)



Ford Ranger

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	V*
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	V*
Intelligent seat belt reminder - 2nd row seats	X
Head restraints for all seats	V*
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)	X
Lane support system	X
Roll stability system	S
Hill launch assist	S
Trailer stability control	S
Reversing collision avoidance	V

* Standard on most variants but not available on single cab variants with three front seats.

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 (v5.1)		Side impact test at 50 km/h (v5.1)
	Driver	Passenger	Driver
Head			
HIC	403.00	297.00	18.00
Acceleration (g for 3ms)	52.80	46.70	17.70
Neck			
Shear (kN)	0.62	0.36	-
Tension (kN)	1.51	1.03	-
Extension (Nm)	15.90	13.80	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	23.94	21.11	11.25
Viscous criterion (m/s)	0.11	0.12	0.06
Abdomen			
Force (kN)	-	-	0.24
Pelvis			
Force (kN)	-	-	0.67
Upper legs			
Femur force left (kN)	0.66	0.10	
Femur force right (kN)	0.96	0.10	
Knee displacement left (mm)	0.80	0.10	
Knee displacement right (mm)	0.90	0.20	
Lower legs			
Force left (kN)	1.72	0.72	
Force right (kN)	1.91	1.68	
Index (upper / lower) left	0.27 / 0.25	0.28 / 0.17	
Index (upper / lower) right	0.28 / 0.24	0.34 / 0.31	

INTRUSION MEASUREMENTS

Steering Column

Forwards:	40mm
Downwards:	2mm
Sideways:	7mm

Pedals

Accelerator (rearwards):	58mm
Accelerator (upwards):	7mm

A-Pillar (rearwards):	-2mm
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SCORE DEDUCTIONS

Deductions from frontal offset test scores

No deductions for frontal offset test.

Deductions from side impact test score

No deductions for side impact test.

Deductions from pole test score

No deductions for pole test.

OTHER

Independent assessment has shown that the 2011 ANCAP safety rating of **this vehicle only** is retained when fitted with:

- Ford-supplied alloy bullbar Part No. AB3917A912AA
- Ford-supplied steel bullbar Part No. AB3917A912##
- SmartBar bullbar SA149
- ARB Ranger Deluxe Bullbar Part No. 3440400

* 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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