

ANCAP Safety Rating

TOYOTA YARIS HATCH (November 2017 - onwards)



Toyota Yaris Hatch

This ANCAP safety rating applies to:

Make / Model	Toyota Yaris
Year Range	November 2017 - onwards
Variant(s)*	Hatch variants only
Vehicle Type	Small Car

The tested model of Toyota Yaris hatch was introduced in Australia and New Zealand late in 2011. This ANCAP safety rating applies to all variants built from October 2017 and on sale from November 2017 when several safety upgrades were introduced. This rating does not apply to the Yaris sedan.

Dual frontal, side and head-protecting (curtain) airbags and a driver knee airbag are standard. Autonomous emergency braking (AEB) and a lane departure warning system (LDW) are available as an option. A full list of safety features and technologies can be viewed within the *Safety Features & Technologies* table on page 2 of this report.

Injury Outcomes.

Frontal Offset

Driver

Passenger



Side Impact & Pole#

Driver



Whiplash Protection

Driver



GOOD
ACCEPTABLE
MARGINAL
POOR

Head protection only.

Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Frontal Offset Test	15.41 (out of 16)
Side Impact Test	16.00 (out of 16)
Pole Test	1.00 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Acceptable
ESC	Standard
Seat Belt Reminders	3.00 (out of 3)
Overall Score	35.41 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year^	2017

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.41 points
Upper legs:	4.00 points
Lower legs:	4.00 points

The Toyota Yaris scored 15.41 out of 16 in the frontal offset test. The passenger compartment held its shape well. Injury measurements were 'Good', except for a slight risk of serious chest injury for the passenger. All doors remained closed during the test.

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 offered to the driver for all critical body regions in the side impact test.

Pole Test

Scored out of 2 points

Score:	1.00 points
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The vehicle was eligible for a side pole test because it has side curtain airbags. The curtain airbag became slightly trapped behind the trim of the A-pillar during the test resulting in the vehicle, earning one point out of a possible two points for this test.

Whiplash Protection Test

Whiplash protection is assessed to the RCAR Protocol

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

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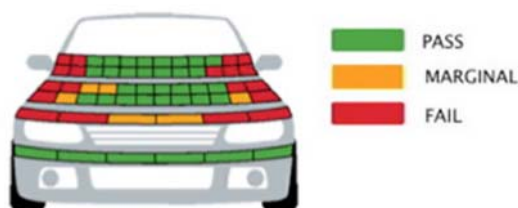
Pedestrian Protection.

Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 15.31 points
Upper leg impacts: 0.12 points
Lower leg impacts: 6.00 points

This vehicle scored 21.43 out of 36 points (Acceptable). The bumper scored maximum points for protection of dummies' legs. The front edge of the bonnet was predominantly 'Poor'. In those areas likely to be struck by a pedestrian's head, the bonnet offered predominantly 'Good' protection towards the centre, while 'Poor' results were seen at the outer edges. (v5.3)



Score Deductions.

Deductions from frontal offset test scores

Head / neck: No deductions
Chest: No deductions
Upper legs: No deductions
Lower legs: No deductions
Overall: No deductions

Deductions from side impact test score

Head / neck: No deductions
Chest: No deductions
Abdomen: No deductions
Pelvis: No deductions
Overall: No deductions

Deductions from pole test score

Head: -1.00 point (incorrect airbag deployment)

Safety Features & Technologies.

Descriptions of each of these safety features and safety assist technologies (SAT) and detail on fitting requirements for each star rating level can be found at ancap.com.au.

Safety Feature / Safety Assist Technology	Availability
Seat belts (three-point, lap / sash) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	X
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row seats)	S
Airbag - Frontal (driver)	S
Airbag - Frontal (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	X
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S
Airbag - Knee (driver)	S
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	X
Adaptive front lighting systems	X
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	O
- Interurban	O
- Vulnerable road user	X
Automatic headlights	S
Automatic high beam	O
Blind spot monitoring (BSM)	X
Electronic brakeforce distribution (EBD)	S
Electronic data recorder (EDR)	X
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Emergency stop signal (ESS)	S
Following distance warning	X
Fatigue reminder	X
Lane departure warning (LDW)	O
Lane keep assist (LKA)	X
Daytime running lights (DRL)	X
Hill launch assist	X
Reversing collision avoidance	S
Speed assistance - automatic / intelligent speed limiting (ISA)	X
Speed assistance - manual speed limiting	X
Speed assistance - speed sign recognition & warning	X
Tyre pressure monitoring system (TPMS)	X

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.

E = Available in Europe but not available on any Australasian variant.

These specifications are subject to change. Please check with the manufacturer for the latest specifications.

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Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v)		Side impact test at 50 km/h (v5.1)
	Driver	Passenger	Driver
Head			
HIC	320.00	295.00	81.00
Acceleration (g for 3ms)	42.10	43.90	31.10
Neck			
Shear (kN)	0.44	0.69	-
Tension (kN)	1.28	1.13	-
Extension (Nm)	16.30	19.70	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	20.23	26.14	19.24
Viscous criterion (m/s)	0.06	0.09	0.13
Abdomen			
Force (kN)	-	-	1.00
Pelvis			
Force (kN)	-	-	2.23
Upper legs			
Femur force left (kN)	1.43	1.70	
Femur force right (kN)	1.11	0.30	
Knee displacement left (mm)	1.10	4.10	
Knee displacement right (mm)	1.20	0.00	
Lower legs			
Force left (kN)	1.34	1.27	
Force right (kN)	1.56	1.99	
Index (upper / lower) left	0.33 / 0.14	0.23 / 0.22	
Index (upper / lower) right	0.38 / 0.25	0.19 / 0.26	
Intrusion Measurements*			
Steering column			
Forward (mm)	-7		
Upward (mm)	-6		
Sideways (mm)	6		
Pedals			
CLUTCH - rearward (mm)			
CLUTCH - upward (mm)			
A-Pillar			
Rearward (mm)	25		

+ Steering column and pedal movements are measured relative to the driver's seat.

* **Model Variants:** ANCAP safety 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. For further information about the application of ANCAP safety ratings to model variants, see the ANCAP Variant Policy.

^ **Rating Year:** The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and may be based on the year in which a new vehicle model is first launched into the Australian and/or New Zealand markets; the year in which the vehicle was tested (if tested by Euro NCAP); or, for vehicles which hold an existing ANCAP safety rating, the year in which the rating was updated (or earlier applicable year).

Assessment Details.

Tested Make / Model	Toyota Yaris 'Active'
Tested Vehicle(s) Built	2011
Tested Body Type	5 door hatch
Tested Vehicle Kerb Weight	1040 kg
Tested Vehicle Engine	1.3 litre
Tested By	ANCAP
Assessed By	ANCAP
Document Reference	YARIS11
Document Created / Revised	12 December 2017
Rating Published	December 2017
Rating Updated	n/a



Frontal offset test at 64km/h