

ANCAP Safety Rating

FORD MUSTANG (December 2015 - onwards)



ANCAP

Safety ★★☆☆☆



Ford Mustang

This ANCAP safety rating applies to:

Make / Model	Ford Mustang
Year Range	December 2015 - onwards
Variant(s)*	V8 Fastback (coupe)
Vehicle Type	Sports Car

The tested model of Ford Mustang was introduced in Australia and New Zealand in December 2015. This ANCAP safety rating is based on tests conducted by Euro NCAP and applies to V8 Fastback (coupe) variants. Other variants are unrated.

Dual frontal, side chest & side head airbags (curtains) and knee airbags for the driver and front passenger are standard. Advanced seat belt reminders are fitted to both front seats but not the rear. Automatic emergency call (e-Call) and SmartKey are standard. Autonomous emergency braking (AEB) and lane support systems (LSS) are not available. 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.

Full Width Frontal
Driver Rear Passenger **Frontal Offset**
Driver Front Passenger



Side Impact
Driver



Pole
Driver



Whiplash Protection
Rear Front



Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Adult Occupant Protection	72% (27.66 out of 38)
- Full Width Frontal Test	4.67 (out of 8)
- Frontal Offset Test	6.91 (out of 8)
- Side Impact Test [#]	8.00 (out of 8)
- Pole Test [#]	6.88 (out of 8)
- Whiplash Protection Test	1.21 (out of 3)
- AEB (City)	0.00 (out of 3)
Child Occupant Protection	32% (15.81 out of 49)
Safety Assist	16% (2.00 out of 12)
- Speed Assistance System	0.00 (out of 3)
- Seat Belt Reminders	2.00 (out of 3)
- Lane Support System	0.00 (out of 3)
- AEB (Interurban)	0.00 (out of 3)
Pedestrian Protection	64% (27.00 out of 42)
ANCAP Safety Rating	★★★☆☆
Rating Year[^]	2017

[#]Scaled scores. Total test score out of 16.00 points.

Adult Occupant Protection.

Full Width Frontal Test

Each body region is scored out of 4 points

Driver		Rear Passenger	
Head:	4.00 points	Head:	0.48 points
Neck:	4.00 points	Neck:	3.00 points
Chest:	3.19 points	Chest:	0.00 points
Upper legs:	4.00 points	Upper legs:	0.00 points

In the full width frontal test, driver chest protection was acceptable and other body regions were good. The rear passenger was not well protected with a risk of serious head, chest and leg injury.

Frontal Offset Test

Each body region is scored out of 4 points

Driver / Front Passenger (lesser of each)

Head / neck:	3.00 points
Chest:	3.89 points
Upper legs:	4.00 points
Lower legs:	2.93 points

The passenger compartment retained structural integrity in the frontal offset crash test but brake pedal rearward movement was excessive. Insufficient inflation of both the driver and front passenger airbags caused bottoming out of the dummy heads and was penalised.

Side Impact Test

Pole Test

Each body region is scored out of 4 points

Head:	4.00 points	Head:	4.00 points
Chest:	4.00 points	Chest:	2.75 points
Abdomen:	4.00 points	Abdomen:	4.00 points
Pelvis:	4.00 points	Pelvis:	4.00 points

Good protection was provided for the driver in the side impact test. There was a slight risk of serious chest injury in the side pole test. The driver door opened during the pole test.

Whiplash Protection

Front / Rear:	1.21 points
Rear:	0.00 points
AEB (City):	0.00 points [Not available]

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Child Occupant Protection.

Crash Test Performance

6 year old child: 10.83 points
10 year old child: 2.81 points

Child Safety Features & Child Seat Installation

Safety features: 0.00 points
Installation check: 2.17 points

NOTE: The child restraints tested by Euro NCAP are relevant to the European market. For Australasian consumers, this information should be used as a guide to vehicle features only. For more detailed information about Australian child restraints visit childcarseats.com.au.

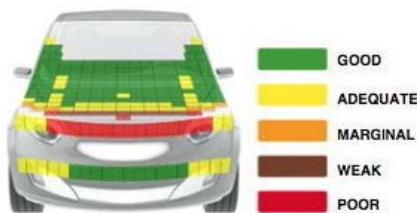
Pedestrian Protection.

Pedestrian Test

Scored out of 42 points

Adult & child head impacts: 21.00 points
Upper leg impacts: 0.00 points
Lower leg impacts: 6.00 points
AEB (VRU): 0.00 points [Not available]

The Mustang has an active bonnet and scored 27.00 out of 42 points (Acceptable). Pedestrian head protection was mostly good however the front of the bonnet posed a high injury risk for pedestrians. The bumper offered good protection for legs and knees. (v8.3)



Score Deductions.

Deductions from full width frontal test scores

Neck: No deductions
Head: No deductions
Chest: -2.00 points (high seat belt load for rear passenger)
Upper legs: -4.00 points (submarining for rear passenger)

Deductions from frontal offset test scores

Head / neck: -1.00 point (unstable airbag contact for driver)
-1.00 point (unstable airbag contact for passenger)
Chest: No deductions
Upper legs: No deductions
Lower legs: -0.32 points from foot score (excessive brake pedal rearward movement - 108mm)

Deductions from side impact test score

All body regions: No deductions

Deductions from pole test score

Overall: -1.00 point (door opened)

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)	X
Airbag - Frontal (driver)	S
Airbag - Frontal (passenger)	S
Airbag - Side, chest & pelvis 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)	S
Head restraints for all seats	S
Active bonnet	S
Adaptive cruise control (ACC)	U
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	X
- Interurban	X
- Vulnerable road user	X
Automatic emergency call (e-Call)	S
Automatic headlights	S
Automatic high beam	X
Blind spot monitoring (BSM)	U
Daytime running lights (DRL)	S
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Hill launch assist	S
Lane support system (LSS)	X
Rain-sensing wipers	S
Reversing collision avoidance	S
Smart key with safety features	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)	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.

U = Available in USA but not available on any Australasian variant.

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



Safety Assist.

Speed Assistance System (SAS)

Scored 0.0 out of 3 points

Speed information:	[Not available]
Speed limiting (manual):	[Not available]
Speed assistance (automatic / intelligent):	[Not available]

AEB (Interurban)

Scored 0.00 out of 3 points

Autonomous emergency braking (AEB):	[Not available]
Forward collision warning (FCW):	[Not available]
Human machine interface (HMI):	[Not available]

Seat Belt Reminder (SBR)

Scored 2.0 out of 3 points

Driver and passenger:	Pass
Rear:	[Not available]

Lane Support Systems (LSS)

Scored 0.0 out of 3 points

Not available

The Ford Mustang has seat belt reminders for front seats as standard equipment. They are not available for rear seat passengers. Autonomous emergency braking (AEB), lane support systems (LSS) and speed assistance systems (SAS) are not available.

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Injury Values & Measurements.

Body Region	Frontal offset test at 64km/h (v7)		Full width frontal test at 50km/h (v1)		Side impact test at 50km/h (v7)	Oblique pole test at 32km/h (v7)
	Driver	Front Passenger	Driver	Rear Passenger	Driver	Driver
Head						
HIC	93.00	244.00	177.00	617.00	74.00	436.87
Acceleration (g for 3ms)	34.30	59.80	44.90	79.10	32.10	70.80
Neck						
Shear (kN)	0.42	0.40	0.24	0.98	-	-
Tension (kN)	1.26	0.84	1.29	2.78	-	-
Extension (Nm)	9.40	16.00	18.50	34.90	-	-
Chest						
Acceleration (g for 3ms)	-	-	-	-	-	-
Compression (mm)	22.55	11.34	22.86	34.41	10.90	34.87
Viscous criterion (m/s)	0.07	0.03	0.12	0.26	0.04	0.44
Abdomen						
Compression (mm)	-	-	-	-	9.94	28.33
Pelvis						
Force (kN)	-	-	-	-	0.42	
Upper legs						
Femur force left (kN)	1.03	1.22	0.91	0.16		
Femur force right (kN)	1.77	0.48	2.34	0.10		
Knee displacement left (mm)	1.17	3.47	0.24			
Knee displacement right (mm)	3.88	4.18	4.04			
Lower legs						
Force left (kN)	2.41	3.21	-	-		
Force right (kN)	2.15	2.02	-	-		
Index (upper / lower) left	0.48 / 0.47	0.48 / 0.64	-	-		
Index (upper / lower) right	0.42 / 0.36	0.34 / 0.22	-	-		
Intrusion Measurements						
Steering column						
Forward (mm)	3	-	-	-		
Downward (mm)	8	-	-	-		
Sideways (mm)	4	-	-	-		
Pedals						
Brake - rearward (mm)	108	-	-	-		
Brake - upward (mm)	58	-	-	-		
A-Pillar						
Rearward (mm)	6	-	-	-		

* **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	Ford Mustang V8 Fastback LHD
Tested Vehicle(s) Built	2016
Tested Body Type	Coupe
Tested Vehicle Kerb Weight	1768 kg
Tested Vehicle Engine	5.0 litre V8 petrol
Tested By	Euro NCAP
Assessed By	Euro NCAP
Document Reference	MUSTANG16
Document Created / Revised	20 January 2017 / 1 February 2017
Rating Published	January 2017
Rating Updated	n/a



Frontal offset test at 64km/h