

Crash Tests

New Car Safety

MG TF

2002 on

Driver airbag

Overall Evaluation



Overall score 26.03 out of 37

Variant: ROADSTER Eng: 1.8 litre.
Kerb weight: 1105 kg Category: SPORTS
Vehicles built: 2003 Test by Euro NCAP

Important note: The European model was tested by EuroNCAP. 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 MG TF was introduced in 2002. The model tested by Euro NCAP had a driver airbag and no passenger airbag. Dual front airbags are standard equipment in Australia but this would not affect the overall score. ABS brakes are 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.

OVERALL EVALUATION : 4 Stars

The MG TF scored 10.48 out of 16 in the offset crash test. The passenger compartment held its shape reasonably well. Protection from serious chest and leg injury was marginal for the driver.

The vehicle scored 15.55 out of 16 in the side impact crash test. There was a slight risk of serious chest and abdomen injury for the driver.

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4pts, chest 2.48pts, upper legs 2pts, lower legs 2pts.

The passenger compartment held its reasonably shape well. The clutch pedal moved rearwards by 150mm and upwards 2mm. The steering wheel hub moved rearwards 45mm, downwards 12mm and sideways 67mm. The front ("A") pillar moved 49mm rearwards. The width of the driver's doorway shortened by 37mm. All doors remained closed during the crash. After the crash tools were required to open the driver's door.

The airbag cushioned the head of the driver and contact was stable. Steering column and dash components were a potential source of injury for the driver and passenger knees.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4pts, chest 3.84pts, abdomen 3.71pts, pelvis 4pts.

The vehicle was not eligible for an optional pole impact test, since it did not have head-protecting side airbags. This test can earn a further two points.



Offset crash test at 64km/h

INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h		Side Impact Crash Test at 50km/h
	Driver	Passn	Driver
Head HIC	500	372	90
Acceleration (g for 3ms)	57.3	49.4	40.5
Neck - Shear (kN)	0.43	1.13	-
Tension (kN)	1.37	1.89	-
Extension (Nm)	18.61	17.24	-
Chest Accln (g for 3ms)			-
Compression (mm)	32.66	31.29	22.78
Viscous criterion (m/s)	0.11	0.09	0.14
Abdomen - Force (kN)	-	-	1.11
Pelvis - Force (kN)	-	-	2.88
Upper legs Force Left (kN)	0.01	0.47	
Right (kN)	0.45	0.78	
Knee displ (mm) Left	0.11	0.13	
Right	0.01	0.76	
Lower legs Force Left (kN)	2.83	1.64	
Right (kN)	3.79	3.24	
Index (Upper/Low) Left	0.5/0.49	0.42/0.32	
Right	0.59/0.21	0.44/0.4	

Bonus points (maximum 5)

Pole Test: Not eligible Seat belt reminders: Not eligible

Modifiers for offset test scores

Head No deduction
Chest No deduction
Upper leg Variable & conc. loading Drv 2 pt deduction L & R
Variable contact Passn 1pt deduction L & R
Lower leg No deduction
Foot score Clutch rear displace. Score 2 points

Pedestrian rating (v4)

19.34 points out of 36 (54%)



Child head impacts 2.5pts; adult head impacts 5pts; upper leg 6pts and lower leg impacts 5.84pts.



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