

## TEST RESULTS

# Ford Grand C-MAX

Ford Grand C-MAX 1.6 TDCI 'Trend', LHD

2010



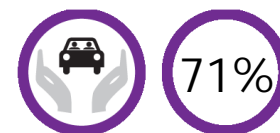
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

## ADULT OCCUPANT

Total 35 pts | 96%

### FRONTAL IMPACT

15,5 pts



Driver



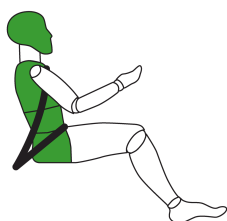
Passenger

### SIDE IMPACT CAR

8 pts

### SIDE IMPACT POLE

7,4 pts



Car



Pole

### REAR IMPACT (WHIPLASH)

3,7 pts



### FRONTAL IMPACT

#### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

#### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	18mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

#### UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

#### LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	accelerator - 26mm
Upward pedal movement	brake - 2mm

### SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

### WHIPLASH

Seat description	0
Head restraint type	Standard cloth, 4 way manual
Geometric assessment	1 pts

#### TESTS

- High severity	2,8 pts
- Medium severity	2,7 pts
- Low severity	2,7 pts

# TEST RESULTS

## CHILD OCCUPANT

Total 40 pts | 81%

### 18 MONTH OLD CHILD

**Restraint** Römer Baby safe plus  
**Group** 0, 0+  
**Facing** rearward  
**Installation** ISOFIX anchorages and support frame



**PERFORMANCE** 11,6 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### 3 YEAR OLD CHILD

**Restraint** Römer Duo plus  
**Group** 1  
**Facing** forward  
**Installation** ISOFIX anchorages and top tether



**PERFORMANCE** 12 pts  
**INSTRUCTIONS** 4 pts  
**INSTALLATION** 2 pts

### FRONTAL IMPACT

**Head forward movement** protected  
**Head acceleration** good  
**Chest load** good

### SIDE IMPACT

**Head containment** protected  
**Head acceleration** good

### VEHICLE BASED ASSESSMENT

4 pts

**Airbag warning Label**

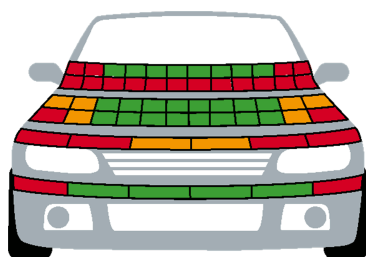
Non-permanent pictogram on B pillar

## PEDESTRIAN

Total 18 pts | 50%

## SAFETY ASSIST

Total 5 pts | 71%



**GOOD**  
**MARGINAL**  
**POOR**

**HEAD** 13 pts  
**PELVIS** 0,9 pts  
**LEG** 4 pts

### SPEED LIMITATION ASSISTANCE 0 pts

- , not available

### ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- standard

### SEATBELT REMINDER 2 pts

- driver 1 pts  
 - passenger 1 pts

## DETAILS OF TESTED CAR

### SPECIFICATIONS

<b>Tested model</b>	Ford Grand C-MAX 1.6 TDCI 'Trend', LHD
<b>Body type</b>	5 door MPV
<b>Year of publication</b>	2010
<b>Kerb weight</b>	1504kg
<b>VIN from which rating applies</b>	applies to all Grand C-MAX of the specification tested

### SAFETY EQUIPMENT

<b>Front seatbelt pretensioners</b>	
<b>Front seatbelt load limiters</b>	
<b>Driver frontal airbag</b>	single stage
<b>Front passenger frontal airbag</b>	single stage
<b>Side body airbags</b>	
<b>Side head airbags</b>	

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the front passengers' knees and femurs. Additional tests demonstrated that similar protection would be offered to occupants of different sizes and to those sat in different positions. The car scored maximum points in the side barrier impact, all body regions being well protected. In the more severe side pole test, protection of most body regions was again good, and that of the chest was adequate. Protection against whiplash injuries in the event of a rear-end collision was good.

### Child occupant

Based on dummy readings in the impact tests, the car scored maximum points for its protection of the 3 year infant. Forward movement of the head was not excessive in the frontal impact and the dummy was properly contained within the protective shell of its restraint in the side impact, as was the 18 month dummy. A switch is available as an option which disables the passenger airbag, allowing a rearward facing child restraint to be used in that seating position. The test cars were not equipped with the switch and no assessment was done. The dangers of using a rearward facing restraint in the passenger seat without first disabling the airbag were not clearly indicated.

### Pedestrian

The bumper provided good protection to pedestrians' legs in most of the area tested, but was poor in others. The front edge of the bonnet was predominantly poor. In most areas likely to be struck by a child's head, the bonnet offered good levels of protection. However, the protection offered to the head of an adult was rated as poor for most of the areas tested.

### Safety assist

Electronic stability control is fitted as standard equipment on all variants. The front seats have a seatbelt reminder system as standard. A driver-set speed limitation device is available as an option.