

Hyundai Veloster

Hyundai Veloster 1.6 GDI GLS, LHD

2011



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 35 pts | 96%

FRONTAL IMPACT

15,5 pts



Driver



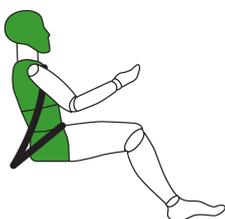
Passenger

SIDE IMPACT CAR

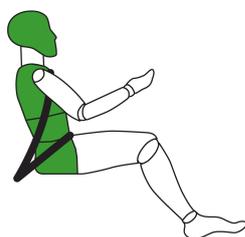
8 pts

SIDE IMPACT POLE

8 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,2 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	10mm
Steering wheel rearward	none
Steering wheel upward	2mm
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	clutch - 77mm
Upward pedal movement	brake - 26mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard cloth, 2 way manual
Head restraint type	Passive
Geometric assessment	1 pts

TESTS

- High severity	2,6 pts
- Medium severity	2,9 pts
- Low severity	2,3 pts

TEST RESULTS

CHILD OCCUPANT

Total 43 pts | 89%

18 MONTH OLD CHILD

Restraint RÖMER BRITAX BABYSAFE+
Group 0, 0+
Facing rearward
Installation ISOFIX anchorages and support frame



PERFORMANCE 11,4 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 BRITAX DUO+
Group 0, 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 fair

SIDE IMPACT

Head containment protected
Head acceleration good

VEHICLE BASED ASSESSMENT

8 pts

Airbag warning Label

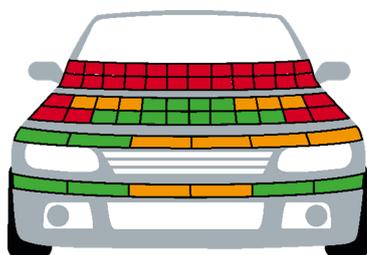
Text and pictogram warning label permanently attached to both sides of passenger sun visor

PEDESTRIAN

Total 18 pts | 49%

SAFETY ASSIST

Total 5 pts | 71%



GOOD
MARGINAL
POOR

HEAD 7,3 pts
PELVIS 4,4 pts
LEG 6 pts

SPEED LIMITATION ASSISTANCE

0 pts

Not assessed

ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- ESP Pass
 Yaw rate ratio (1.00s) 3,06 %
 Yaw rate ratio (1.75s) 3,02 %
 Lateral displacement (1.07s) 3,14 m

SEATBELT REMINDER

2 pts

- driver Pass
 - passenger Pass
 - rear Not assessed

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Hyundai Veloster 1.6 GDI GLS, LHD
Body type	3 door hatchback
Year of publication	2011
Kerb weight	1236kg
VIN from which rating applies	applies to al Velosters of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	single stage
Front passenger frontal airbag	single stage
Side body airbags	
Side head airbags	
Electronic Stability Control	
Seatbelt Reminder	driver and front passenger

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. For both front seat occupants, protection of all body areas was good apart from the lower legs, protection of which was adequate. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Hyundai showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different seating positions. In the side barrier test, all body areas were well protected and the car scored maximum points. Even in the more severe side pole test, protection was good and the Veloster scored maximum points. Similarly, the seat and head restraint provided good protection against whiplash injuries in the event of a rear-end collision.

Child occupant

The Veloster lost only a fraction of a point in the dynamic tests for its protection of the 3 year dummy. Forward movement of that dummy, sat in a forward facing restraint, was not excessive and, in the side impact, both dummies were properly contained by their restraints, minimising the likelihood of dangerous head contacts. The passenger airbag can be disabled to allow a rearward facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. Clear information is provided regarding the dangers of using a rearward facing child restraint in that seat without first disabling the airbag.

Pedestrian

Protection provided by the bumper and front edge of the bonnet to the legs and pelvis of a struck pedestrian was good or marginal. In the area likely to be struck by the head of a child, the bonnet offered some good protection but also some areas of marginal and poor protection. Protection for the head of a struck adult was predominantly poor.

Safety assist

Electronic stability control is standard on the Veloster, as is a seat belt reminder for the driver and front passenger seats. A speed limitation device is not offered for this car.