

# TEST RESULTS

## Hyundai H-1

Hyundai H-1 2.5 diesel GLS, LHD

2012



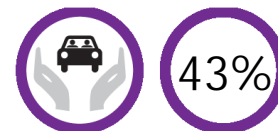
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

### ADULT OCCUPANT

Total 20 pts | 55%

#### FRONTAL IMPACT

10,4 pts



Driver



Passenger

#### SIDE IMPACT CAR

7,8 pts



Car

#### REAR IMPACT (WHIPLASH)

1,4 pts



#### FRONTAL IMPACT

##### HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

##### CHEST

Passenger compartment	stable
Windscreen Pillar rearward	33mm
Steering wheel rearward	49mm
Steering wheel upward	16mm
Chest contact with steering wheel	none

##### UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	Steering column; end of facia; glove box
Concentrated loads on knees	Steering column; end of facia; glove box

##### LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	brake - 142mm
Upward pedal movement	brake - 67mm

#### SIDE IMPACT

Head protection airbag	No
Chest protection airbag	No

#### WHIPLASH

Seat description	
Head restraint type	
Geometric assessment	0 pts

##### TESTS

- High severity	0 pts
- Medium severity	0 pts
- Low severity	0 pts

# TEST RESULTS

## CHILD OCCUPANT

Total 37 pts | 75%

### 18 MONTH OLD CHILD

**Restraint** Britax-Römer Baby Safe  
**Group** 0, 0+  
**Facing** rearward  
**Installation** ISOFIX anchorages and support frame



PERFORMANCE **8,6 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

### 3 YEAR OLD CHILD

**Restraint** Britax-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

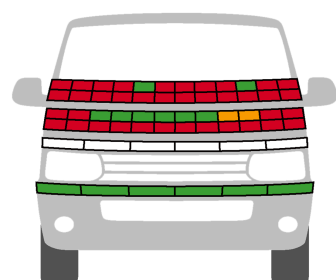
4 pts

### Airbag warning Label

Text label permanently attached to both sides of the passenger sun visor

## PEDESTRIAN

Total 10 pts | 34%



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

HEAD 4,2 pts  
 PELVIS 0 pts  
 LEG 6 pts

## SAFETY ASSIST

Total 3 pts | 43%

**SPEED LIMITATION ASSISTANCE** 0 pts

Not assessed

**ELECTRONIC STABILITY CONTROL (ESC)** 3 pts

- ESP Pass  
 Yaw rate ratio (1.00s) 1,88 %  
 Yaw rate ratio (1.75s) 1,66 %  
 Lateral displacement (1.07s) 2,45 m

**SEATBELT REMINDER** 0 pts

- driver Not assessed  
 - passenger Not assessed  
 - rear Not assessed

## DETAILS OF TESTED CAR

### SPECIFICATIONS

Tested model	Hyundai H-1 2.5 diesel GLS, LHD
Body type	Van-based people carrier
Year of publication	2012
Kerb weight	2095kg
VIN from which rating applies	from KMHWH81KBDU506106

### SAFETY EQUIPMENT

Front seatbelt pretensioners
Front seatbelt load limiters
Driver frontal airbag
Front passenger frontal airbag
Electronic Stability Control

## COMMENTS

### Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of the front seat occupants. However, structures in the dashboard were thought to present a risk to occupants of different sizes and to those sat in different positions. In the side impact test, protection of the chest was adequate while that of other body areas was good. No pole test was done as the H-1 is not equipped with a head-protecting airbag. A geometric assessment of front and rear seats revealed poor protection against whiplash injury in the event of a rear-end collision.

### Child occupant

Based on dummy readings in the dynamic crash tests, the H-1 scored maximum points for its protection of the 3 year infant. In the frontal test, forward movement of that dummy, sat in a forward-facing restraint, was not excessive. In the side impact, both dummies were properly contained by their restraints, minimising the likelihood of head contact with parts of the vehicle interior. The front passenger airbag cannot be disabled so a rearward-facing child restraint should not be used in that seating position. The dangers of doing so are clearly indicated inside the vehicle.

### Pedestrian

The bumper scored maximum points for the protection offered to pedestrians' legs. However, protection provided to the head was predominantly poor, both in the areas likely to be struck by a child and those where an adult's head might strike. Assessment of the front edge of the bonnet was no appropriate owing to shape and size of the vehicle.

### Safety assist

The Hyundai H-1 has electronic stability control as standard equipment. However, there is no seatbelt reminder system, even for the driver's seat, and a speed-limitation system is also not available.