

TEST RESULTS

Hyundai i10

Hyundai i10 1.0 petrol Comfort, LHD

2014 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Hyundai i10 1.0 petrol Comfort, LHD
Body type	5 door hatchback
Year of publication	2014
Kerb weight	933kg
VIN from which rating applies	applies to all Hyundai i10s of the specification tested

SAFETY EQUIPMENT

Frontal airbags	Driver (Single Stage), Passenger (Single Stage)
Pre-tensioners	Driver (single), Passenger (single)
Load-limiters	Driver, Passenger
Knee airbags	None
Side airbags	Head (front and rear), Thorax
Front head restraints	Passive
Passenger airbag switch	Manual switch
ISOFIX anchorages	Rear outboard seats
Integrated child restraint	None
Active Pedestrian Protection	None,
Seatbelt Reminder	Driver, Passenger, Rear
Electronic Stability Control	ESC, Standard, Manual Switch
Speed Assistance Systems	Driver-set speed limitation, Optional (meeting fitment requirements)
Lane Support	None, Not available
Autonomous Braking	None, , Not Available
Other	Not applicable

Safety equipment is standard across the model range unless stated otherwise

ADULT OCCUPANT

Total 30 pts | 79%

CRASH TEST PERFORMANCE

FRONT OFFSET

14 pts



Driver



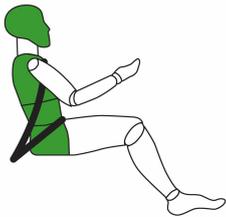
Passenger

SIDE CAR

7,5 pts

SIDE POLE

6,6 pts



Side car



Side pole

FRONT OFFSET

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	19mm
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	Clutch - 109mm
Upward pedal movement	Clutch - 35mm

SIDE

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH PROTECTION

FRONT, REAR SEATS

1,9 pts



Front seats



Rear seats

HEAD RESTRAINT

Seat description	Standard cloth, 6 way manual
Head restraint type	Passive
Front geometric assessment	2 pts

TESTS

- High severity	2,1 pts
- Medium severity	2,2 pts
- Low severity	2,2 pts

AEB CITY

0 pts

System name	Not applicable
Fitment	Not available



CHILD OCCUPANT

Total 39 pts | 80%

CRASH TEST PERFORMANCE

18 MONTH OLD CHILD

Restraint Römer BabySafe + ISOFIX Base

Facing rearward facing

Installation ISOFIX and Supportleg



PERFORMANCE

12 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

Facing forward facing

Installation ISOFIX and TopTether



PERFORMANCE

9,4 pts

FRONTAL IMPACT

Head forward movement protected

Head acceleration good

Chest load fair

SIDE IMPACT

Head containment protected

Head acceleration good

CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isifix

Safety features score 6 pts

Installation check score 12 pts

Pass Install without problem

Partial Fail Install with care

Fail Safety critical problem

Exempt Installation not allowed

	SEAT POSITION							
	FRONT		2nd ROW			3rd ROW		
	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
Maxi Cosi Cabriofix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Pass	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	N/A	N/A	N/A
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
BeSafe iZi Kid X3 ISOfix (ISOFIX)	N/A	Exempt	Exempt	Exempt	Exempt	N/A	N/A	N/A
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer KidFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer BabySafe + ISOFIX Base (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	N/A	N/A	N/A

SAFETY ASSIST

Total 7 pts | 56%

SPEED ASSISTANCE SYSTEM 1,3 pts

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

Meets requirements

SEATBELT REMINDER 3 pts

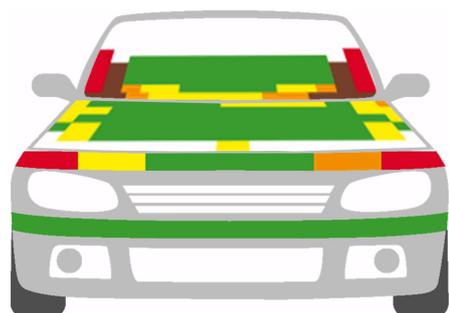
- driver and passenger Pass

- rear Pass

LANE SUPPORT SYSTEMS 0 pts

PEDESTRIAN

Total 26 pts | 71%



HEAD	16 pts
PELVIS	3,7 pts
LEG	6 pts



COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Hyundai showed that a similar level of protection is provided to occupants of different statures or those sat in a different position. In the side barrier test, the dummy readings showed good protection of all body regions. However, inspection of the car after the crash revealed that the rear door on the struck side was not fully latched. Analysis of the high speed film indicated that the handle lifted in the crash, owing to inertia, and that this may have partially unlatched the door. Protection of the chest in the side pole impact was rated as marginal, based on dummy readings of rib compression. The protection offered by the front seats against whiplash injury in a rear-impact was good but a geometric assessment of the rear head restraints revealed marginal protection.

Child occupant

Based on dummy readings in the dynamic tests, the i10 scored maximum points for its protection of the 1½ year infant. In the frontal impact, forward movement of the 3 year dummy, sat in a forward-facing restraint, was not excessive but chest loads indicated only fair protection of this body region and neck forces were also high. In the side impact, both dummies were properly contained within the protective shells of their restraints, minimising the risk of head contact with parts of the car interior. The passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. The information provided to the driver regarding the status of the airbag is clear and the system was rewarded. All of the child restraints for which the car is designed could be properly accommodated and fitted in the i10.

Pedestrian

The bumper provided good protection to pedestrians' legs in all areas tested and scored maximum points. Protection of the front edge of the bonnet was good at the centre but was poor towards the stiff outer edges. The bonnet surface and windscreen provided mostly good or adequate protection with poor results recorded only on the diff windscreen pillars.

Safety assist

The i10 has a seatbelt reminder fitted as standard for the front and rear seats, and the system met Euro NCAP's requirements. Electronic stability control is also standard equipment. A driver-set speed limitation device is available as an option and is expected to be fitted to most cars sold. The system met Euro NCAP's requirements for speed assistance systems of this type.