

# Hyundai Santa Fe

RATING	SCORE	Front: 9	Side: 16
 <b>ADULT OCCUPANT</b> ★★☆☆☆	<b>25</b>		
 <b>PEDESTRIAN</b> ★☆☆☆☆	<b>4</b>		



## Adult occupant protection



Frontal impact driver



Frontal impact passenger



Side impact driver

<span style="color: green;">■</span>	GOOD
<span style="color: yellow;">■</span>	ADEQUATE
<span style="color: orange;">■</span>	MARGINAL
<span style="color: brown;">■</span>	WEAK
<span style="color: red;">■</span>	POOR

## Child restraints

<b>18 month old Child</b>	Britax Roemer Duo, forward facing
<b>3 year old Child</b>	Britax Roemer Duo, forward facing

## Pedestrian protection

No image car front available

## Safety equipment

Front seatbelt pretensioners	<input checked="" type="checkbox"/>
Front seatbelt load limiters	<input checked="" type="checkbox"/>
Driver frontal airbag	<input checked="" type="checkbox"/>
Front passenger frontal airbag	<input checked="" type="checkbox"/>
Side body airbags	<input type="checkbox"/>
Side head airbags	<input type="checkbox"/>
Driver knee airbag	<input type="checkbox"/>

## Car details

<b>Hand of drive</b>	LHD
<b>Tested model</b>	Hyundai Santa Fe 2.0 GRD
<b>Body type</b>	off-roader
<b>Year of publication</b>	2002
<b>Kerb weight</b>	1785
<b>VIN from which rating applies</b>	KMHSB81VP2U293121

## Comments

The Santa Fe is a large off-road vehicle that has high-set seating, which favours good protection. But the integrity of the passenger compartment was questionable and results from the frontal test were disappointing, showing problems for the driver's chest and upper legs. In contrast, the 4x4's performance in the side impact was very good despite its lack of side airbags. The 18-month-old child suffered a high neck load in the frontal test but otherwise the restraints did well. The vehicle did little for pedestrians. Only the area where a child's head might strike 'gave' on impact.

### Front impact

The restraints and airbags worked well to protect the front occupants' heads and necks, but forces reaching their chests were high. The door frame distorted and the trans-fascia beam began to separate from the front pillar so the body was considered to be unstable. Hyundai told Euro NCAP that it has since improved the design of the mounting for this beam. There were hard points behind the fascia that posed a high risk of injury to the front occupants. The centre rear belt was lap-only, which provides inferior protection in a frontal crash to that given by a three-point belt.

### Side impact

Performance in this test was top-level and was due in part to this off-roader's high seating position. But it is commendable that the Santa Fe achieved such a strong result without a side airbag.

### Child occupant

The restraints used were forward facing and attached by two ISOFIX mounts and top tethers. The younger child risked neck injury, which is common for children of this age if forward-facing; rear facing is favoured. Otherwise the restraints performed well. There were permanent labels on the stowed side of both sun visors that explained the risk of serious injury but not death if a rear-facing restraint was placed opposite an airbag. There was an ACEA pictogram without any text explanation and testers judged that this could confuse car users.

### Pedestrian

One star was awarded, which is average for an off-roader. One area of the bonnet cushioned well but the rest of the front was 'unfriendly'.