



Opel/Vauxhall Insignia  
Standard Safety Equipment

2017



Adult Occupant



93%

Child Occupant



85%

Pedestrian



78%

Safety Assist



69%

## SPECIFICATION

Tested Model	Insignia Grand Sport 1.6CDTi Edition
Body Type	- 5 door hatchback
Year Of Publication	2017
Kerb Weight	1460kg
VIN From Which Rating Applies	- All Insignias
Class	Large Family Car

## SAFETY EQUIPMENT

	Driver	Passenger	Rear
<b>FRONTAL CRASH PROTECTION</b>			
Frontal airbag	●	●	✘
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	✘	✘	✘
<b>SIDE CRASH PROTECTION</b>			
Side head airbag	●	●	●
Side chest airbag	●	●	○
Side pelvis airbag	●	●	○

Version 230318

## SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	○

OTHER SYSTEMS	
Active Bonnet (Hood)	●
AEB Pedestrian	●
AEB City	●
AEB Inter-Urban	●
Speed Assistance System	●
Lane Assist System	●

**Note: Other equipment may be available on the vehicle but was not considered in the test year.**

- Fitted to the vehicle as standard    
 ○ Fitted to the vehicle as part of the safety pack  
○ Not fitted to the test vehicle but available as option or as part of the safety pack    
 ✗ Not available    
 — Not applicable

**ADULT OCCUPANT**

Total 35.5 Pts / 93%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

**Frontal Offset Deformable Barrier** 7.1 Pts




Passenger                      Driver

**Frontal Full Width** 7.5 Pts




Rear Passenger                      Driver

**Whiplash Rear Impact** 2.1 Pts



Front seat                      Rear seat

**Lateral Impact** 16 Pts



Car                      Pole

**AEB City** 2.8

Performance: ■ Good

 ADULT OCCUPANT

Total 35.5 Pts / 93%

## Comments

The passenger compartment remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Opel showed that a similar level of protection would be provided to occupants of different sizes and to those sat in different positions. In the full-width rigid barrier impact, protection was adequate for the chest of the driver and rear passenger and was good for all other critical body areas. In both the side barrier test and the more severe side pole impact, good protection was provided to all critical body regions and the Insignia scored maximum points in these tests. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats indicated marginal whiplash protection. Tests of the Insignia's autonomous emergency braking system showed good performance of its functionality at the low speeds typical of city driving at which whiplash injuries are often caused.

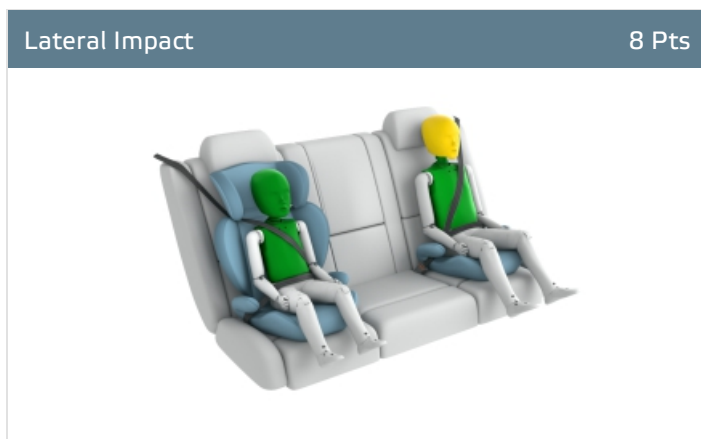
**CHILD OCCUPANT**

Total 42.0 Pts / 85%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

23 Pts



Restraint for 6 year old child: *Romer KidFix XP*  
 Restraint for 10 year old child: *Nania Dream*

Safety Features

7 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✗	●	✗
i-Size	✗	●	✗
Integrated CRS	✗	✗	✗

● Fitted to test car as standard   
 ○ Not on test car but available as option   
 ✗ Not available

CRS Installation Check

12 Pts

● Install without problem   
 ○ Install with care   
 ● Safety critical problem   
 ✗ Installation not allowed

■ i-Size CRS



**CHILD OCCUPANT**

Total 42.0 Pts / 85%

■ **ISOFIX CRS**

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Römer Duo Plus (ISOFIX)



Römer KidFix XP (ISOFIX)



■ **Universal Belted CRS**

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Römer King II LS (Belt)



Römer KidFix XP (Belt)



## CHILD OCCUPANT

Total 42.0 Pts / 85%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)	□	●	□	●
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)	□	●	□	●
BeSafe iZi Kid X2 i-Size (iSize)	□	●	□	●
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)	□	●	□	●
BeSafe iZi Kid X4 ISOfix (ISOFIX)	□	●	□	●
Römer Duo Plus (ISOFIX)	□	●	□	●
Römer KidFix XP (ISOFIX)	□	●	□	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyBase2 (Belt)	●	●	✘	●
Römer King II LS (Belt)	●	●	●	●
Römer KidFix XP (Belt)	●	●	●	●

● Install without problem  
 ● Install with care  
 ● Safety critical problem  
 ✘ Installation not allowed

## Comments

In the frontal offset test, protection of the 10 year dummy was good apart from the neck, for which dummy readings of tension indicated marginal protection. For the 6 year dummy, protection was good or adequate in this test. In the side barrier test, protection of both dummies was good or adequate. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided regarding the status of the airbag and the system was rewarded. All of the restraint types for which the Insignia is designed could be properly installed and accommodated in the car.

**PEDESTRIAN PROTECTION**

Total 32.8 Pts / 78%

■ GOOD    
 ■ ADEQUATE    
 ■ MARGINAL    
 ■ WEAK    
 ■ POOR

Pedestrian Protection	32.8 Pts						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Head Impact</td> <td style="text-align: right; padding: 5px;">19.5 Pts</td> </tr> <tr> <td style="padding: 5px;">Pelvis Impact</td> <td style="text-align: right; padding: 5px;">3.6 Pts</td> </tr> <tr> <td style="padding: 5px;">Leg Impact</td> <td style="text-align: right; padding: 5px;">5.5 Pts</td> </tr> </table>	Head Impact	19.5 Pts	Pelvis Impact	3.6 Pts	Leg Impact	5.5 Pts
Head Impact	19.5 Pts						
Pelvis Impact	3.6 Pts						
Leg Impact	5.5 Pts						

AEB Pedestrian		4.2 Pts
System Name	Pedestrian Collision Mitigation	
Type	Auto-Brake with Forward Collision Warning	
Operational From	8 Km/h	
Additional Information	Defaults on for every journey; warning operates above 40km/h and in low ambient light	

PERFORMANCE   <span style="color: green;">■</span>	Autobrake Function	
	Avoidance	Mitigation
Running Adult crossing from Farside	Collision avoided up to 40 km/h	Impact mitigated up to 50 km/h
Walking Adult crossing from Nearside -25%	Collision avoided up to 35 km/h	Impact mitigated up to 45 km/h
Walking Adult crossing from Nearside -75%	Collision avoided up to 40 km/h	Impact mitigated up to 50 km/h
Running Child from behind parked vehicles	Collision avoided up to 35 km/h	Impact mitigated up to 45 km/h

**Comments**

The Insignia has an 'active' bonnet. Sensors in the bumper detect when a pedestrian has been struck and actuators lift the bonnet, providing greater clearance to hard structures in the engine compartment. Opel showed that the system operated robustly for a variety of pedestrian statures and over a wide range of speed so the car was tested with the bonnet in the deployed, raised condition. Protection was good or adequate over virtually the entire surface of the bonnet. The bumper provided predominantly good protection the legs of struck pedestrians but protection of the pelvis area was more mixed. The autonomous emergency braking system can detect pedestrians as well as other vehicles and performed well in Euro NCAP's tests of this functionality.



SAFETY ASSIST

Total 8.4 Pts / 69%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Speed Assistance

1.3 Pts

System Name	Cruise Control with Speed Limiter
Speed Limit Information Function	N/A
Warning Function	Manually set
Speed Limitation Function	Manually set (accurate to 10km/h)

Seat Belt Reminder

2 Pts

Applies To	Front seats		
	Driver Seat	front passenger(s)	rear passenger(s)
Warning			
Visual	●	●	—
Audible	●	●	—

● Pass   
 ● Fail   
 — Not available

Lane Support

2.9 Pts

System Name	Active Lane Keep Assist
Type	Lane Keep Assist and Lane Departure Warning
Operational From	60 km/h
Warning	Audible
PERFORMANCE	
LKA Confirmation Test	Pass (5/5)
LDW Confirmation Test	Pass

 SAFETY ASSIST

Total 8.4 Pts / 69%

## AEB Interurban

2.2 Pts

System Name	Low Speed Mitigation Braking (with Forward Collision Alert)
Type	Forward Collision Warning with Auto-Brake
Operational From	8 Km/h
Additional Information	Default On; Supplementary Warning

PERFORMANCE | 

	Autobrake Function Only	Driver reacts to warning
Operational Speed	8-80 Km/h	8-220 Km/h
Approaching a stationary car	See AEB City	Crash avoided up to 65km/h. Crash speed reduced up to 80km/h.
Approaching a slower moving car	Crash avoided up to 50km/h. Crash speed reduced up to 70km/h.	Crash avoided up to 75km/h. Crash speed reduced up to 80km/h.
FOLLOWING A CAR AT SHORT DISTANCE		
Car in front brakes gently	Avoidance	Avoidance
Car in front brakes harshly	Mitigation	Mitigation
FOLLOWING A CAR AT LONG DISTANCE		
Car in front brakes gently	Mitigation	Avoidance
Car in front brakes harshly	Mitigation	Mitigation

## Comments

Tests of the autonomous emergency braking system at highway speeds showed good performance, with accidents avoided or mitigated. The car has a driver-set speed limitation system and lane departure warning. A seatbelt reminder is standard for the front driver and passenger seats but is only an option for the rear seats.

## RATING VALIDITY

### Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door hatchback and estate	1.5 petrol	1.5 ECOTEC	4 x 2	✓	✓
5 door hatchback and estate	2.0 petrol	2.0 ECOTEC Dynamic	4 x 4	✓	✓
5 door hatchback* and estate	1.6 diesel	1.6 CDTi	4 x 2	✓	✓
5 door hatchback and estate	2.0 diesel	2.0 CDTi	4 x 2	✓	✓

\* Tested variant

### Annual Reviews and Facelifts

Date	Event	Outcome
July 2017	Rating Published	2017 ★★★★★ ✓