



## SEAT Arona

Standard Safety Equipment

2022



### Adult Occupant



83%

### Child Occupant



83%

### Vulnerable Road Users



65%

### Safety Assist



70%

## SPECIFICATION

Tested Model	SEAT Arona 1.0 Eco TSI 'Style', LHD
Body Type	- 5 door hatchback
Year Of Publication	2022
Kerb Weight	1140kg
VIN From Which Rating Applies	- VSSZZZKJOPR000446
Class	Small Off-Road

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	—
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	✗	✗	—
LATERAL CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	✗
Side pelvis airbag	●	●	✗
Centre Airbag	✗	✗	—

Version 051022

## SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	×	●
Integrated CRS	—	×	×
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

OTHER SYSTEMS	
Active Bonnet	×
AEB Vulnerable Road Users	●
AEB Pedestrian - Reverse	×
AEB Car-to-Car	●
Speed Assistance	●
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 31.8 Pts / 83%

GOOD ADEQUATE MARGINAL WEAK POOR

## Frontal Impact

14.3 / 16 Pts



Mobile Progressive Deformable Barrier



Full Width Rigid Barrier

## Lateral Impact

12.1 / 16 Pts



Side Mobile Barrier



Side Pole



Far-Side Excursion



Occupant Interaction

## Rear Impact

3.4 / 4 Pts



Rear Seat



Front Seat



ADULT OCCUPANT

Total 31.8 Pts / 83%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Rescue and Extrication

2.0 / 2 Pts

Rescue Sheet	Available, ISO compliant	
Advanced eCall	Available	
Multi Collision Brake	Available	

Comments

The passenger compartment of the Arona remained stable in the frontal offset test. Dummy numbers demonstrated good protection of the knees and femurs of both the driver and passenger. SEAT showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the Arona would be a benign impact partner in a frontal collision. In the full-width rigid barrier test, protection of all critical body areas was good for the driver and was good or adequate for the rear passenger. In the side barrier test, protection was good or adequate, and in the side pole impact, it was good for all critical body regions. Control of excursion (the extent to which a body is thrown to the other side of the vehicle when it is hit from the far side) was found to be poor. The Arona does not have a counter-measure to mitigate against occupant to occupant injuries in such impacts. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric analysis of the rear seats also indicated good whiplash protection. The Arona has an advanced eCall system which alerts the emergency services in the event of a crash. The car also has a system which applies the brakes after an impact to avoid secondary collisions.



## CHILD OCCUPANT

Total 40.8 Pts / 83%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

Crash Test Performance based on 6 &amp; 10 year old children

21.8 / 24 Pts

Frontal Impact

14.1 Pts



Lateral Impact

7.6 Pts

Restraint for 6 year old child: *Britax Römer Kidfix I-Size*Restraint for 10 year old child: *Osann UP*

Safety Features

7.0 / 13 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

12.0 / 12 Pts

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

## ■ i-Size CRS

Maxi Cosi 2way Pearl &amp; 2wayFix (i-Size)



Maxi Cosi 2way Pearl &amp; 2wayFix (i-Size)



BeSafe iZi Kid X2 i-Size (i-Size)



Britax Römer TriFix2 i-Size (i-Size)



BeSafe iZi Flex FIX i-Size (i-Size)



## ■ ISOFIX CRS

BeSafe iZi Combi X4 ISOfix (ISOFIX)



Cybex Solution Z i-Fix (ISOFIX)





CHILD OCCUPANT

Total 40.8 Pts / 83%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)



Britax Römer King II LS (Belt)



Cybex Solution Z i-Fix (Belt)





## CHILD OCCUPANT

Total 40.8 Pts / 83%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
BeSafe iZi Kid X2 i-Size (i-Size)	—	●	—	●
Britax Römer TriFix2 i-Size (i-Size)	—	●	—	●
BeSafe iZi Flex FIX i-Size (i-Size)	—	●	—	●
BeSafe iZi Combi X4 ISOfix (ISOFIX)	—	●	—	●
Cybex Solution Z i-Fix (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyFix (Belt)	●	●	✗	●
Britax Römer King II LS (Belt)	●	●	●	●
Cybex Solution Z i-Fix (Belt)	●	●	●	●

● Install without problem  
 ● Install with care  
 ● Safety critical problem  
 ✗ Installation not allowed  
 — Not available

## Comments

Protection of the neck of the 10 year child in the frontal impact was rated as weak, based on dummy readings of tensile forces. Otherwise, protection was good or adequate in both the frontal offset test and the side barrier impact. 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 to the driver regarding the status of the airbag and the system was rewarded. All of the restraint types for which the Arona is designed could be properly installed and accommodated.



VULNERABLE ROAD USERS

Total 35.5 Pts / 65%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Pedestrian

24.8 / 36 Pts



Head Impact	15.0 Pts
Pelvis Impact	3.8 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users

10.7 / 18 Pts

System Name	Front Assist
Type	Auto-Brake with Forward Collision Warning
Operational From	5 km/h



## VULNERABLE ROAD USERS

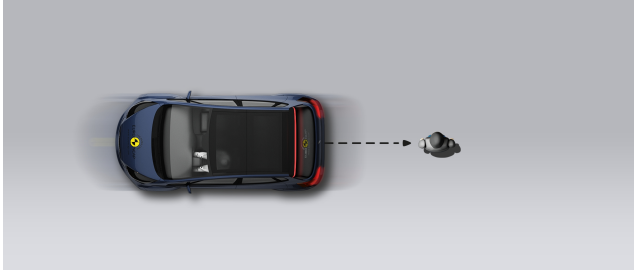
Total 35.5 Pts / 65%

## AEB Pedestrian

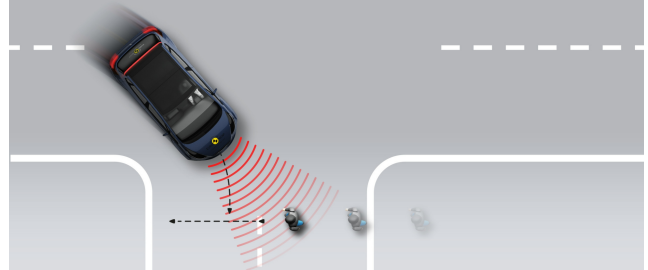
5.4 / 9 Pts

■ Day time

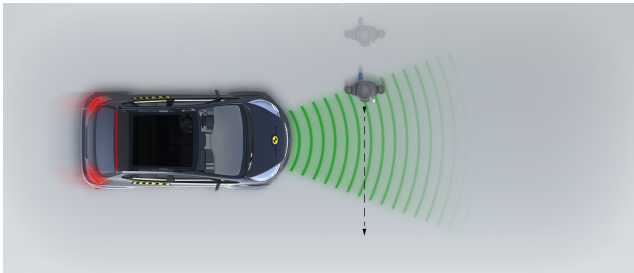
Vehicle reversing into standing pedestrian



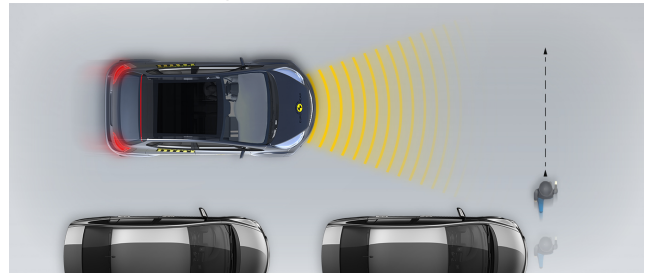
Pedestrian crossing a road into which a car is turning



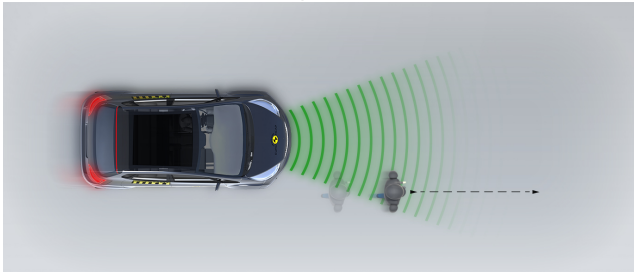
Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside

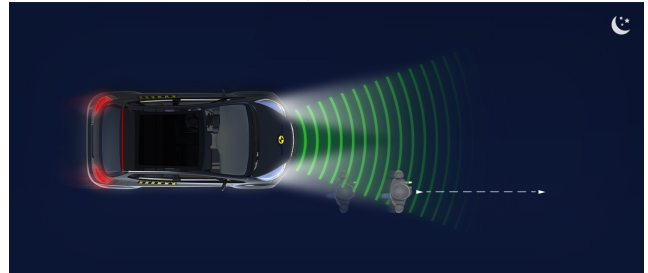


■ Night time

Adult crossing the road



Adult along the roadside





## VULNERABLE ROAD USERS

Total 35.5 Pts / 65%

## AEB Cyclist

5.3 / 9 Pts

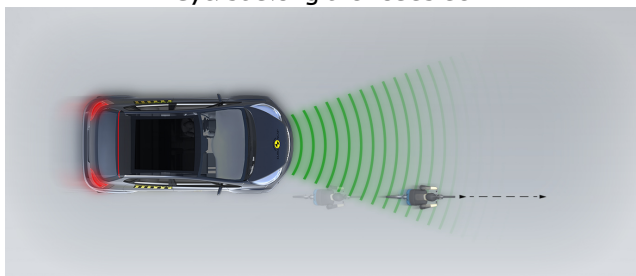
Cyclist from nearside, obstructed view



Cyclist crossing



Cyclist along the roadside



## Comments

The bonnet provided predominantly good or adequate protection to the head of a struck pedestrian, with some poor results recorded at the base of the windscreen and on the stiff windscreen pillars. The bumper offered good protection to pedestrians' legs but protection of the pelvis region was mixed. The autonomous emergency braking (AEB) system of the Arona can respond to vulnerable road users, as well as to other vehicles. The system performed adequately in tests of its response to pedestrians and cyclists.



## SAFETY ASSIST

Total 11.3 Pts / 70%

 GOOD


 ADEQUATE

 MARGINAL

 WEAK


 POOR

## Speed Assistance


 1.3 / 3 Pts









System Name	Speed Limiter
Speed Limit Information Function	N/A
Speed Limitation Function	Manually set (accurate to 5km/h)




## Occupant Status Monitoring

 3.0 / 3 Pts


## &gt; Seatbelt Reminder

 2.0 / 2 Pts

Applies To	Front and rear seats		
Warning	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Visual			
Audible			
Occupant Detection	—		

 Pass
  Fail
  Not available

## &gt; Driver Monitoring

 1.0 / 1 Pts

System Name	Driver Alert System
Type	Time on task, steering input
Operational From	60 km/h



SAFETY ASSIST

Total 11.3 Pts / 70%

Lane Support

3.5 / 4 Pts

System Name	Lane Assist
Type	LKA and ELK
Operational From	60 km/h
PERFORMANCE	
Emergency Lane Keeping	GOOD
Lane Keep Assist	GOOD
Human Machine Interface	GOOD

AEB Car-to-Car

3.5 / 6 Pts

System Name	Front Assist
Type	Autonomous emergency braking and forward collision warning
Operational From	5 km/h
Sensor Used	camera and radar



## SAFETY ASSIST

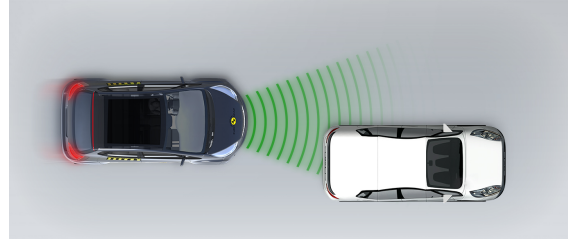
Total 11.3 Pts / 70%

### Autobrake function only

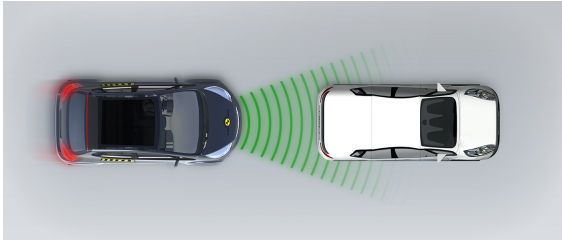
Test car turns across the path of an approaching car



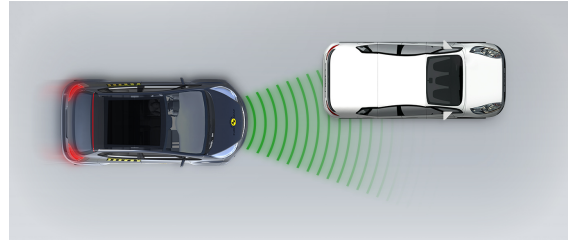
Approaching a stationary car



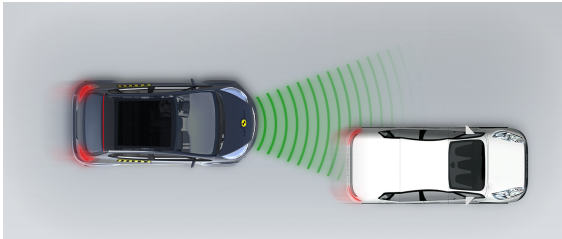
Approaching a stationary car



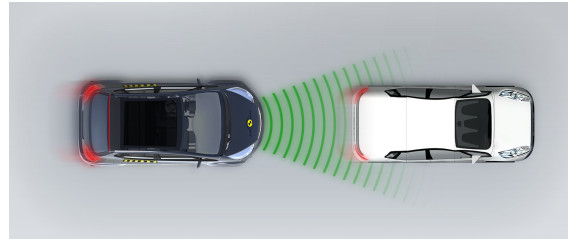
Approaching a stationary car



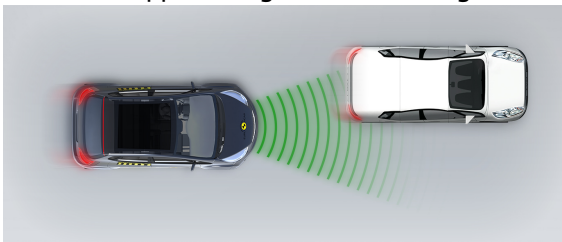
Approaching a slower moving car



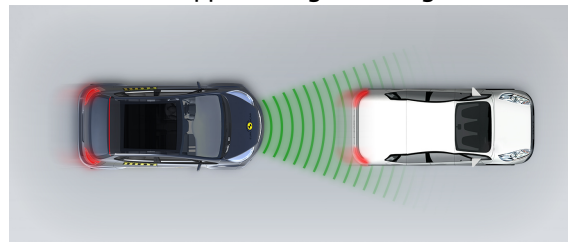
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



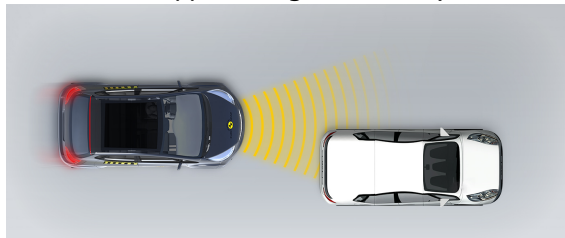


## SAFETY ASSIST

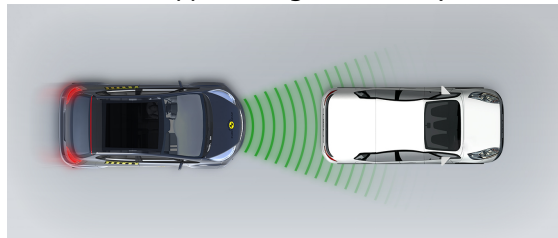
Total 11.3 Pts / 70%

## ■ Driver reacts to warning

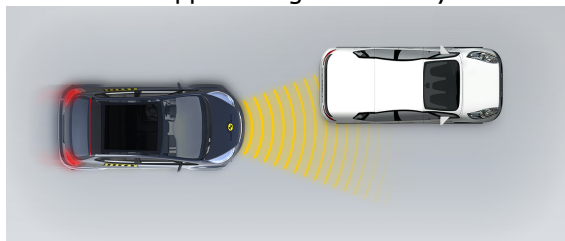
Approaching a stationary car



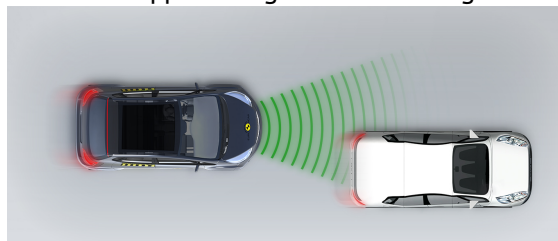
Approaching a stationary car



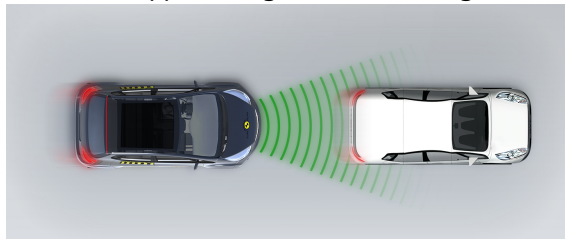
Approaching a stationary car



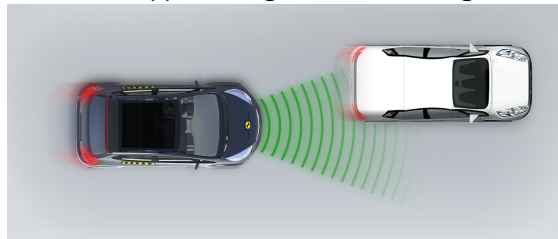
Approaching a slower moving car



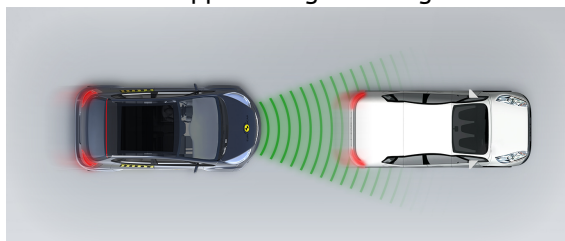
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car





## SAFETY ASSIST

Total 11.3 Pts / 70%

## Comments

The Arona's autonomous emergency braking (AEB) system performed adequately in tests of its reaction to other vehicles. A seatbelt reminder system is fitted as standard to the front and rear seats and the car has a system to detect driver fatigue. The lane support system gently corrects the vehicle's path if it is drifting out of lane, and also intervenes in some more critical situations. A driver-set speed limiter is standard equipment.

## RATING VALIDITY

### Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door hatchback	1.0 petrol 70 kW	EcoTSI	4 x 2	✓	✓
5 door hatchback	1.0 petrol 81 kW *	EcoTSI	4 x 2	✓	✓
5 door hatchback	1.0 petrol 110 kW	EcoTSI	4 x 2	✓	✓
5 door hatchback	1.0 petrol 66 kW (CNG)	TGI	4 x 2	✓	✓

\* Tested variant

### Annual Reviews and Facelifts

Date	Event	Outcome	
October 2022	Rating Published	2022 ★ ★ ★ ★ ★	✓