

EUROPEAN NEW CAR  
 ASSESSMENT PROGRAMME  
**VOLVO C30**



**2009**

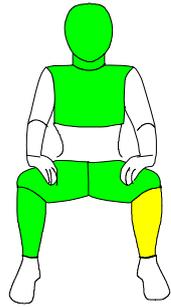
	Adult Occupant	Child Occupant	Pedestrian	Safety Assist	
Score	32.801	38.000	9.241	5.000	
Max Points available	36	49	36	7	
Normalised Score (%)	<b>91</b>	<b>78</b>	<b>26</b>	<b>71</b>	
Weighting (%)	50	20	20	10	TOTAL
Weighted Percentage Score	45.5	15.6	5.2	7.1	<b>73</b>

**Rating Requirements (2009)**

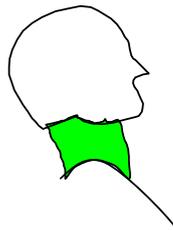
	Normalised Score (%)				TOTAL
★★★★★★	75	70	25	60	70
★★★★★	60	55	15	40	55
★★★★	30	30	10	25	45
★★★	25	25	5	15	35
★★	15	15	0	5	20



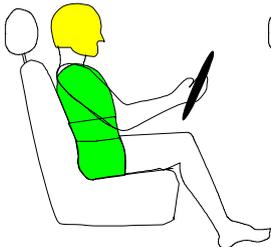
**Driver**



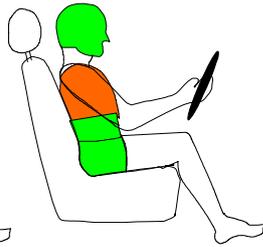
**Passenger**



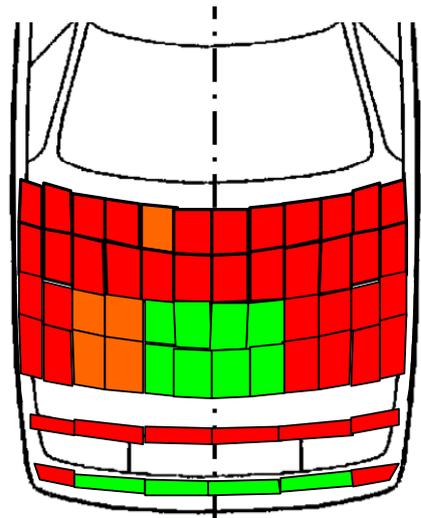
**Rear Impact (Whiplash)**



**Side**



**Pole**



TEST RESULTS IN FULL	
<b>FRONTAL IMPACT HEAD</b>	
Driver airbag contact	stable
Passenger airbag contact	stable
<b>Steering Wheel</b>	
rearward displacement	none
upward displacement	none
lateral displacement	none
<b>FRONTAL IMPACT CHEST</b>	
Contact with steering wheel	none
Screen pillar rearward	24mm
Passenger compartment integrity	stable
<b>FRONTAL IMPACT UPPER LEGS, KNEES AND PELVIS</b>	
Stiffer structures present	yes: knee bolster, steering column and column shroud
Concentrated knee loading	none
<b>FRONTAL IMPACT LOWER LEGS, FEET AND ANKLES</b>	
Rearward pedal displacement	brake - 26mm
Upward pedal displacement	brake - 8mm
Footwell rupture	none
<b>SIDE IMPACT AIRBAGS</b>	
Head protection airbag	yes
Torso protection airbag	yes
<b>CHILD PROTECTION</b>	
Restraints used	
18 month old	Volvo child seat, vehicle specific, rearward-facing using adult seatbelt
3 year old	Volvo child seat, vehicle specific, rearward-facing using adult seatbelt
<b>CHILD RESTRAINTS FRONTAL IMPACT</b>	
Airbag disabling/warning label	Non-permanent pictogram label on end of fascia and non-permanent text warning on A-pillar
Forward head movement	
18 mth old (behind passenger)	protected
3 year old (behind driver)	protected
Chest Protection	
18 mth old: total load	good
vertical load	good
3-year-old: total load	good
vertical load	good
<b>CHILD RESTRAINTS SIDE IMPACT</b>	
Head protection	
18 mth old (struck side)	protected
3 year old (non-struck side)	protected
Head acceleration	
18 mth old	good
3 year old	good



<b>Make, model and hand of drive</b>	Volvo C30, 1.8 Momentum, LHD
<b>Body type</b>	3 door hatchback
<b>Year assessed</b>	2009
<b>Kerb weight</b>	1352kg
<b>Chassis number from which Euro NCAP rating applies</b>	applies to all C30's of specification tested
<b>Safety Equipment</b>	Driver and passenger dual-stage frontal airbags; horizontally-stroking collapsible steering column; side impact airbags; side-impact protection system (SIPS); head-protecting curtain airbag; front and rear seatbelt pretensioners; front seatbelt load-limiters; top-tether anchorages in rear outboard seats; DSTC, brake-assist and BLIS blind-spot detection system, WHIPS whiplash protection system for front seats, IDIS intelligent driver information system



## COMMENTS

<b>ADULT OCCUPANT</b>	The steering-wheel moved forward during the impact to provide greater protection for the driver. The driver dummy scored maximum points in the test but the car lost points because of some stiff structures in the dashboard which might affect the knees or femurs of larger or smaller occupants. The car scored maximum points based on the dummy results in the side impact. However, the head curtain airbag was prevented from deploying fully by the child restraint system in the rear seat and the score for the driver's head was penalised as a result. In the side pole test, dummy readings of rib deflection indicated marginal chest protection. The front seats and head restraints provided good protection against whiplash injury in the event of a rear-end collision.
<b>CHILD PROTECTION</b>	The C30 scored maximum points for its protection of the 1½ year old in the dynamic tests. The passenger airbag can be disconnected by Volvo dealers, allowing a rearward-facing child restraint to be used in that seating position. Volvo also offer an airbag deactivation switch as an option. However, the switch system does not provide clear information to the driver regarding the status of the passenger airbag. The presence of ISOFIX and top-tether anchorages was not clearly marked.
<b>PEDESTRIAN PROTECTION</b>	The leading edge of the bonnet scored no points for the protection it offered to pedestrians' legs and the bonnet was predominantly rated as poor for the protection of adults' heads. However, the protection offered by the bumper was predominantly rated 'fair'.
<b>SAFETY ASSIST</b>	Electronic Stability Control is standard equipment across the model range, as is a seatbelt reminder system for the driver and front passenger seats.

Euro NCAP's rating applies fully only to the model with the specifications detailed here. Some equipment may not be fitted as standard to all versions in all countries. You should ensure that your car is fitted with the safety equipment you require.



[www.euroncap.com](http://www.euroncap.com)

EUROPEAN NEW CAR  
ASSESSMENT PROGRAMME