




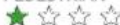




BMW 1 Series

RATING	SCORE	Front: 14 Side: 16	Seatbelt reminder: 2 Pole: 2
 ADULT OCCUPANT 	33		
 CHILD OCCUPANT 	35		
 PEDESTRIAN 	2		

Adult occupant protection



Frontal impact driver



Frontal impact passenger



Side impact driver

	GOOD
	ADEQUATE
	MARGINAL
	WEAK
	POOR

Child restraints

18 month old Child	Fair BimboFix Type II, forward facing
3 year old Child	Fair BimboFix Type II, 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 checked="" type="checkbox"/>
Side head airbags	<input checked="" type="checkbox"/>
Driver knee airbag	<input type="checkbox"/>

Car details

Hand of drive	RHD
Tested model	BMW 116i
Body type	5 door hatchback
Year of publication	2004
Kerb weight	1248
VIN from which rating applies	WBAUF12070PN22583

Comments

The 1-Series has a very strong and stable passenger safety cage. It achieved the five star rating after Euro NCAP allowed a frontal retest following improvements to the airbags. The driver dummy's chest instrumentation recorded high loads in the frontal impact although side impact protection was better. Protection for both children was only fair, however. Finally, like the BMW 5-Series also tested for this round, pedestrian protection was dire.

Front impact

The body proved to be very strong, showing only minor distortion of the passenger cell. The driver's door could be opened almost normally after the crash. Footwell intrusion was minimal and control of the foot pedals was also good. The restraint system includes dual stage tethered airbags for the driver and passenger, belt pretensioners combined with load limiters. A good deal of design effort was applied in the driver knee impact area with substantial padding evident in the steering column zone. The passenger knee impact area was also considered to be relatively benign. Foam padding located beneath the carpet helped to protect their feet.

Side impact

An impressive system includes seat mounted side airbags and a head airbag curtain. The structure and systems gave good protection in the side and pole tests.

Child occupant

The passenger frontal airbag has a switch and the «off» status is shown by a lighted pictogram next to the interior mirror. Both children used the recommended Fair Bimbo Fix restraints fitted forward-facing using the ISOFIX anchorages and support legs. Both children experienced high chest loads in the frontal impact but were well protected in the side impact. A pictogram was fitted to the passenger's door pillar and a text label was fixed to the screen. Neither was permanently attached nor did either warn against placing a child in a rear facing restraint opposite an active airbag.

Pedestrian

Protection for pedestrians was extremely poor, scoring just two points. BMW needs to take the protection of pedestrians much more seriously than this.