

Monterey Booster Seat :

Sunshine Kids’ Monterey booster child restraint was conceptualized and designed around a set of strict safety and performance parameters. Below is a brief summary explaining how those features are embodied and the resultant crash test performance.

US, Europe, Canada Compliance and Beyond:

Crash testing was conducted under three different crash test regulation parameters, utilizing eight different test dummies ranging from a 3yr old up to the 5th percentile female. In every test configuration, Monterey achieved a level of biomechanical performance significantly superior to that required by US, European and Canadian safety standards. In addition, Monterey met these biomechanical performance criteria for higher weight dummies, even though such performance is not required.

	FMVSS 213 Crash Tests		ECE-R44 Crash Tests	
	Requirement	Monterey	Requirement	Monterey
ATD Weight/ Size	50 lbs/45"	109 lbs/59"	32 kg/138 cm	32 kg/138 cm
Head Excursion	32"	26.3"	550 mm	519 mm
Chest Acceleration	60 G	50 G	55 G	50 G

Side-Impact Testing:

Monterey was designed to protect a child in a side-impact crash as well as in an oblique accident. Monterey was crash tested in accordance with newly proposed FMVSS side-impact standards. Results show that Monterey protected the child from both intrusion and contact with rigid interior vehicle components in a side-impact event.

PERFORMANCE FEATURES

Side-Impact Protection:

Real side-impact protection means body containment, energy absorption and barrier protection:

- Deep sidewalls and head support provide an encapsulating and protective barrier.
- Energy-absorbing EPS foam lines the head, torso and hip sidewalls for increased protection.
- Reinforced structure provides enhanced containment of body mass at the hips, torso and head.

Anti-Submarining Protection:

‘Submarining’ refers to the occupant beginning to slide underneath the lap belt during emergency braking or in an accident. Monterey features a ramped seat pan angle, combined with a reinforced seat bottom to keep the lap belt properly positioned across the child’s pelvic region. European crash test procedure measures lap belt intrusion to the abdomen and requires a low value to meet European certification. Monterey performs exceptionally well in this regard.

LATCH Installation Option:

Monterey features integrated connectors that allow for optional attachment to a vehicle’s lower anchors. Fixed-position installation helps improve performance and eliminates the risk of an unoccupied booster becoming a flying hazard in an accident. Monterey’s ISOFAST tightening adjuster is located in front to make this installation option easy.

Adjustable Height and Width:

A full, high-back design booster offers more safety and performance than a backless booster. Monterey has a 11-position head support with 6.5" of vertical movement and a seatback width that expands to 20" wide, all to provide growing children of different sizes and body proportions (and seasonal clothing) the best possible protection.