IMMI®, based in Westfield, Ind., is the largest child seating safety components manufacturer in the world and has been the industry leader in child and bus passenger protection for more than 30 years. Utilizing a modern crash-test facility, sophisticated engineering and advanced manufacturing operations, IMMI develops and supplies innovative, proven SafeGuard® restraint systems and seating solutions for customers worldwide.

### Webbing

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</tbody>
</table>

All buckles and adjusters are available in:

- Black
- Slate Grey
- Greyhound Grey

IMMI supports leading child car seat manufacturers with SafeGuard–branded safety components and advanced restraint systems that make car seats easy to install and easy to use, giving parents the confidence that their children will travel SafeGuard Secure™.
Advanced Restraint Systems

For more than 30 years, IMMI has been working with car seat manufacturers to provide innovative, easy-to-use harnesses and LATCH attachment systems that give parents the confidence that the child seat they’ve purchased meets the highest standards.

SafeGuard advanced restraint systems and safety components are engineered to address misuse by making car seats more practical for parents on the go.

When car seat manufacturers choose SafeGuard products, it shows in their NHTSA ease of use ratings. Ratings improve when the child is easily secured in the harness, the seat is easily connected to the vehicle, and the user is clearly instructed by labels and product instructions.
Product Development and Quality

IMMI offers engineering and testing expertise to aid child seating manufacturers in developing innovative systems that bring the best in car seat technology to today’s parents.

Skilled engineers at IMMI work together with OEM engineers to assist with conceptual designs, develop advanced restraint systems that meet their ease of use requirements, and conduct testing to prove the performance of their products.

SafeGuard Tools:
- Complete system and/or component level testing capabilities on-site with quick turn-around on test reports
- Applied mechanics: Non-linear crash simulations using LS-Dyna
- CAD mechanical engineering software including Pro E, Ideas, UG
- Skilled engineers and in-house certified child passenger safety technicians
- In-house industrial design staff to assist with conceptual design for customers
- Facilities offering complete prototype build with rapid prototyping capabilities
- Meets ISO 9001-2001 and TS-16949 quality certifications
Testing Services

IMMI is the home of a modern crash-test facility, the Center for Advanced Product Evaluation® (CAPE), which brings together advanced technology and specialized engineering expertise to provide customers with analytical information to support their most complex decisions.

Testing Services for Child Seat Manufacturers:

- Development testing
- Durability testing
- Sled testing/motion analysis
- 22 child ATDs (including HIII 10yo)
- Third party compliance testing to FMVSS 213, CMVSS 213, ECE R-44, and AS1754
- Vehicle side impact testing per FMVSS 214
Buckles

- SafeGuard five-point harness systems come in multiple configurations and are designed to meet all applicable worldwide safety standards including FMVSS 213, CMVSS 213, ECE R-44 and AS1754.

- SafeGuard child seat buckles offer the latest in buckle technology and are designed to withstand the higher forces imposed by today’s child car seat.

- All buckles are available in black, slate grey and greyhound grey.

<table>
<thead>
<tr>
<th>Spec*</th>
<th>Product#</th>
</tr>
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<tbody>
<tr>
<td>A. Infant Buckle - 45˚ Metal Tongue</td>
<td>US A91247</td>
</tr>
<tr>
<td>B. Infant / Child Buckle - 30˚ Tongue</td>
<td>US A91131B</td>
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<tr>
<td>C. Child Buckle - 45˚ Tongue</td>
<td>US A91132B</td>
</tr>
<tr>
<td>D. Child Buckle - 45˚ Overmold Slot Tongue</td>
<td>US A91133B</td>
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<tr>
<td>E. Child Buckle - Single Tongue</td>
<td>US A38649B</td>
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<tr>
<td>F. Child Buckle - Single Adjust Tongue (Black Cover-Sold Separately)</td>
<td>US A90767 62862</td>
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<tr>
<td>G. Child Buckle - Non-Eject Single Adjust Tongue</td>
<td>US A91378</td>
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<tr>
<td>H. Child Buckle - 45˚ Overmold Slot Eject Tongue</td>
<td>AU A38276B</td>
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<tr>
<td>I. Child Buckle - 45˚ Interlocking Eject Tongue (Narrow Slot)</td>
<td>USE,EU,AU A38076B</td>
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<tr>
<td>J. Child Buckle - 45˚ Interlocking Eject Tongue (Wide Slot)</td>
<td>USE,EU,AU A91028B</td>
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<tr>
<td>K. Group 0 Buckle - 30˚ Interlocking Eject Tongue 25 mm Slots</td>
<td>USE,EU,AU A38471B</td>
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<tr>
<td>L. Group 0 Buckle - Eject Single Tongue</td>
<td>USE,EU,AU A38508B</td>
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<tr>
<td>M. Group 0 Buckle - 45˚ Interlocking Eject Tongue</td>
<td>USE,EU,AU A38509B</td>
</tr>
</tbody>
</table>

*Meets Specifications for:
US (United States) | FMVSS 213
AU (Australia) | AS1754
EU (Europe) | ECE R-44
**Adjusters**

- IMMI invented the A-Lok® central adjuster more than 25 years ago and has sold more adjusters than any other company in the industry.

- SafeGuard central adjusters come in a wide range of styles to fit the needs of child seating manufacturers.

- Each component of the central adjust system is extensively tested to evaluate longevity and environmental durability.

- Central adjusters enhance the ease of use of SafeGuard harness systems, resulting in a secure fit of the harness.

- Adjustment can be done easily with one hand.

- All mid-belt adjusters are available in black, slate grey and greyhound grey.

### CENTRAL ADJUSTERS

<table>
<thead>
<tr>
<th>Spec*</th>
<th>Product#</th>
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<tbody>
<tr>
<td>A. 25 mm Standard Alok</td>
<td>US,EU,AU A38298</td>
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<tr>
<td>B. 25 mm Straight Tab Lift Cam Alok</td>
<td>US,EU,AU A38583</td>
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<tr>
<td>C. 25 mm 90° Bent Tab Push Cam</td>
<td>US,EU,AU A91388</td>
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<tr>
<td>D. 25 mm 90° Bent Tab Push/Lift Cam</td>
<td>US,EU,AU A91029</td>
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<tr>
<td>E. 38 mm Bent Tab Lift Cam</td>
<td>US,EU,AU A38717</td>
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<td>F. 38 mm Bent Tab Push Cam</td>
<td>US,EU,AU A90590</td>
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<td>G. 38 mm Bent Tab Lift Cam</td>
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<tr>
<td>H. 38 mm Low Profile Push Cam</td>
<td>US,EU,AU A38122</td>
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*Meets Specifications for:

- US (United States) | FMVSS 213
- AU (Australia) | AS1754
- EU (Europe) | ECE R-44

### MID-BELT ADJUSTERS

<table>
<thead>
<tr>
<th>Spec*</th>
<th>Product#</th>
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<tbody>
<tr>
<td>A. LATCH Adjuster 38 mm Slot</td>
<td>US,EU,AU A38279B</td>
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<tr>
<td>B. LATCH Adjuster 25 mm Slot</td>
<td>US,EU,AU A38325B</td>
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<tr>
<td>C. Harness Adjuster 38 mm Slot (Plastic Button)</td>
<td>US,EU,AU A38212B</td>
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<tr>
<td>D. Tilt Lock (Black Cover-Sold Separately)</td>
<td>US,EU,AU A38009 62862</td>
</tr>
</tbody>
</table>

*Meets Specifications for:

- US (United States) | FMVSS 213
- AU (Australia) | AS1754
- EU (Europe) | ECE R-44
Combining strength and user-friendliness, the SafeGuard line of LATCH attachments makes car seat installation and removal easy.

SafeGuard offers a range of snap hook styles for use in LATCH systems.

The top tether slack indicator provides immediate feedback to the user regarding tether tension.

**LOWER LATCH ATTACHMENTS**

SafeGuard MiniConnectors™ fasten to the vehicle’s lower LATCH anchors in seconds, with an audible click and are released easily with the push of a button. MiniConnectors reduce misuse and help manufacturers achieve top NHTSA Ease of Use ratings.

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**Table:**

<table>
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<tr>
<th>Spec</th>
<th>Product#</th>
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<tbody>
<tr>
<td>A. Non-Handed MiniConnector</td>
<td>US  A90705</td>
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<td>B. Left Hand MiniConnector</td>
<td>US  A91137AB</td>
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<tr>
<td>C. Right Hand MiniConnector</td>
<td>US  A91136AB</td>
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<tr>
<td>D. Snap Hook</td>
<td>US,EU,AU  62916</td>
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<tr>
<td>E. Wide Slot Snap Hook</td>
<td>US,EU,AU  15968</td>
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<tr>
<td>F. Narrow Slot Snap Hook</td>
<td>US,EU,AU  915018</td>
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<tr>
<td>G. Snap Hook Keeper (AS 1754)</td>
<td>AU  62938</td>
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<tr>
<td>H. Snap Hook (Canadian)</td>
<td>CA  62951</td>
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<tr>
<td>I. Snap Hook/Adjuster Combo</td>
<td>US  62955</td>
</tr>
<tr>
<td>J. Top Tether Slack Indicator</td>
<td>US, EU  A38586AB</td>
</tr>
</tbody>
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*Meets Specifications for:
US (United States) | FMVSS 213
AU (Australia) | AS1754
EU (Europe) | ECE R-44*
Retractors can be engineered on both child and infant seats.
Retractors quickly and easily tighten the car seat with a small amount of pressure.

### Harness Chest Clip
Two-piece harness chest clips provide a secure fit, with several options available for branding and/or instruction.
Standard two-piece or one-piece belt-positioning clips are available.
Available in multiple colors.

### T-Bars / Splitter Plates, Slides
Numerous options are available to connect and secure harness systems.

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#### Retractors

<table>
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<tr>
<th>Spec*</th>
<th>Product#</th>
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<tbody>
<tr>
<td>A. Automatic Locking Retractor (ALR)</td>
<td>US A30957</td>
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<tr>
<td>B. Push Button Release Retractor</td>
<td>US A30952</td>
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#### Harness Chest Clip

<table>
<thead>
<tr>
<th>Specification</th>
<th>Product#</th>
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<tbody>
<tr>
<td>A. Two-Piece Harness Chest Clip (customization examples: SafeGuard Secure logo, year logo, instructional icons or text)</td>
<td>62946AB</td>
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#### T-Bars / Splitter Plates, Slides

<table>
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<tr>
<td>A. T-Bar 72 mm Wide 25 mm Slot</td>
<td>US,EU,AU 52061</td>
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<td>B. T-bar 100 mm Wide 25 mm Slot</td>
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<td>C. T-bar 100 mm Wide 38 mm Slot</td>
<td>US,EU,AU 52043</td>
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<tr>
<td>D. Splitter Plate Single Slot 25 mm Slot</td>
<td>US,EU,AU 52073</td>
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<tr>
<td>E. 3-Bar Slide (tether, high weight harness)</td>
<td>US,EU,AU 15152</td>
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<tr>
<td>F. 3-Bar Slide 2.5 in. (tether, high weight harness)</td>
<td>US,EU,AU 15158</td>
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<tr>
<td>G. 3-Bar Slide (low weight harness)</td>
<td>US,EU,AU 15246</td>
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<td>H. 3-Bar Slide (low weight harness)</td>
<td>US,EU,AU 15186</td>
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<tr>
<td>I. 3-Bar Slide (infant, low weight harness)</td>
<td>US,EU,AU 10285</td>
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<tr>
<td>J. T-Bar 70 mm Wide 40.7 mm Slot</td>
<td>US,EU,AU 914689</td>
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<tr>
<td>K. 3-Bar Slide (infant, low weight harness)</td>
<td>US,EU,AU 915224</td>
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*Meets Specifications for:
US (United States) | FMVSS 213
AU (Australia) | AS1754
EU (Europe) | ECE R-44