



Product catalog



Version 1.1

An aerial photograph of a dense evergreen forest. The trees are a mix of dark green and lighter green, suggesting different species or stages of growth. A paved road with a white line runs vertically along the right side of the image. The text 'Holmbergs Safety System Group' is overlaid in white, bold, sans-serif font in the upper left quadrant.

Holmbergs Safety System Group

Safety that never stops

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**Welcome to the world of
Holmbergs**



For over 80 years Holmbergs Group has been supplying safety solutions world-wide. We create and design safety technologies and innovations that save lives. Our fastening systems and safety solutions go into many of the world's most trusted brands and carriers – making transportation safer for you and your loved ones.

Holmbergs has experienced a journey growing from a local company in Anderstorp, Sweden, to a global company with production footprints in Lithuania, Romania and China as well as sales- and engineering offices in Sweden, Austria, USA and Hong Kong. The company started manufacturing components for seatbelts as far back as the 1950s. Over 80 years later, the Holmbergs name is now internationally synonymous with leadership in child safety, occupant safety and safety textiles. We work closely with the top brands in vehicle safety so they can make products that keep people of all ages safe as they travel and work. They trust us and our dedication to delivering the highest quality products so they can deliver the highest quality products to their customers.

In 2018, Holmbergs acquired Fasching Salzburg GmbH, a European market leader in safety belt solutions for buses and commercial vehicles, and in 2022, Fasching turned orange!

Holmbergs - Safety that never stops.

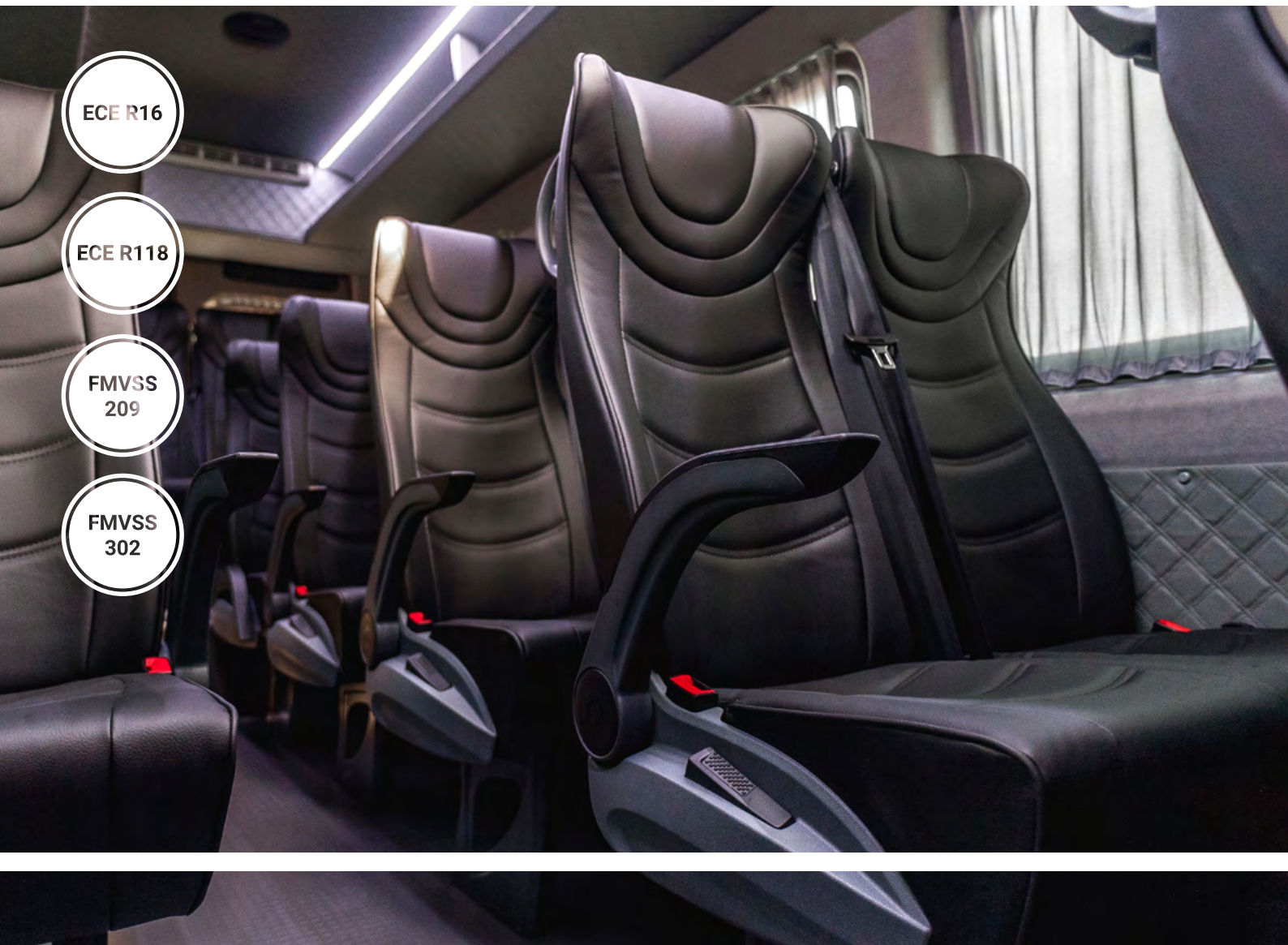


Bus & Coach

In the world of transportation, safety is paramount, and one of the most critical aspects of passenger safety is the proper use of seat belts, even in buses and coaches.

We at Holmbergs have a wide range of 2-point and 3-point seat belts both with our special features such as 3-point ELR All Age™ as well as our standard systems - 3-point automatic ELR.

Holmbergs seat belts are guaranteed to be the highest quality. Contact us for more information and we will be very happy to help you!



ECE R16

ECE R118

FMVSS
209

FMVSS
302



Wheelchair

Wheelchairs are not just mobility aids, they are an extension of an individual's body, providing them with the freedom to move and participate in daily activities. Proper safety measures are essential to prevent accidents and injuries.

Our wheelchair restraint systems are designed to secure the user and the wheelchair itself. These systems provide stability and safety during transportation.

Would you like to get a deeper insight into our wheelchair restraint systems? Contact us and we will answer all your questions!





Recreational Vehicles

Recreational Vehicles (RVs) offer a unique and adventurous way to travel, providing the comfort of home while exploring the great outdoors. However, when it comes to safety, there are certain considerations that RV enthusiasts must keep in mind, and one of the most critical aspects is seat belt usage.



Seat belts are a fundamental safety feature in any vehicle, and RVs are no exception. While RVs offer a spacious and comfortable interior, they also come with various seating options, including captain's chairs, dinette seating, sofas, and more. Each of these seating arrangements should be equipped with seat belts, just like in any other vehicle.

Contact us and we will find the best seat belt option for your RVs!



ECE R16

ECE R118

FMVSS
209

FMVSS
302



Child Safety

Our long tradition of engineering excellence has introduced more child safety products than any other company, and has resulted in many industry-changing patents.

Completely customizable to customer specifications, our harness systems can be found in just about every car seat in the world.

Our lifesaving 5-point harnesses can also be adapted and used in such applications as cargo bikes, bike trailers and combined child-adult bus seats.

When you choose Holmbergs, you're choosing the experts within child safety.



ECE R129

CMVSS
213

FMVSS
213



Defense

Military vehicles, from battle tanks to emergency vehicles, are all equipped with safety belts especially developed for the purpose. These harness systems and products are made for extreme environmental and operational conditions. Protecting the people that protect us and our countries is one of the most important things we do. Our 4-points and 5-points harness restraints, stretcher restraints and under vest restraints are all solutions that can be adapted to your needs.

Contact us for more information.



ECE R16

ECE R118

FMVSS
209

FMVSS
302



Construction & Agriculture

Construction and agriculture are two industries that heavily rely on specialized vehicles and machinery to carry out various tasks efficiently. While these vehicles contribute significantly to productivity and progress, they also pose inherent safety risks. Ensuring the safety of operators, workers, and bystanders is paramount in these industries.



Our seat belts for agricultural and construction vehicles keep drivers secure and comfortable as they work.

Let us tell you more about the most suitable seat belts for your specialized vehicles, so that the operators could get the best protection and overall worksite safety could improve.





Retractors

Products that make transportation safer. For everyone.

From commercial passenger vehicles to agriculture to construction and much more, we know how to keep drivers and passengers secure.

Our seat belt systems comply with global safety standards such as ECE R16, FMVSS 209/302 and SAE J386, as well as other country-specific standards such as ADR and GS.

Modular construction systems enable us to offer you customized safety belt solutions in addition to standard solutions for almost all areas of application. We use the best parts and materials in our modular seat belt systems.

Makers of commercial and specialty vehicle seats trust Holmberg's seat belts to add a layer of safety to their products.

**FMVSS
209/302
COMPLIANT**

**ECE R16
APPROVED**





Automatic Locking Retractors

The Automatic Locking Retractor (ALR) locks immediately after the belt is fastened and can be installed regardless of the angle. Unlike an Emergency Locking Retractor, an ALR is first completely pulled out before fixing it at the desired length. This position provides optimum protection and can only be extracted again once the strap has been retracted completely.

When it's a question of flexible and reliable safety of off-road utility vehicle users, our ALRs are the optimum solution. So, the ALRs are primarily used in forklifts, construction equipment and seat lifts or as bicycle tethers with hooks instead of the buckle.

With our flexible tool inserts we can customize the hole pattern for the fastening of the retractor according your needs.



Full-cover ALR

ALR is used in our 2-point belt systems. Strap capacity max. 1000mm. Size: H:48, W:97, D:79 mm.

Emergency Locking Retractors

The Emergency Locking Retractor (ELR) provides a tested, high-technology symbiosis of safety and comfort. Retractors with two different sensors lock the mechanism independently in an emergency. In case of rapid vehicle deceleration, it results in accelerated strap extraction and/or the ELR retractors lock in case the vehicle tilts and thus provide rollover protection.

Mono-sensitive ELR retractors are permitted in countries outside Europe. These lock only when the vehicle decelerates (= strap acceleration). When it comes to reliable and tested technology for use in commercial vehicles, ELR offers passengers the most comfortable solution.

With our flexible tool inserts we can customize the hole pattern for the fastening of the retractor according your needs.



Full-size ELR

Fullsize ELR is used in our 2- point and 3-point belt systems. Strap capacity max 2,350mm. Size: H:60, W:92, D:92 mm.



Mini ELR

Mini ELR is used in our 2-point belt systems. Strap capacity max 1,150mm. Size: H:50, W:92, D:79 mm.



2-point belt systems

Our 2-point belt systems are completely aligned to the requirements of our customers: from the simple static belt, through the ALR mostly used in forklifts and construction equipment, to ELR with the patented optional ARBS (Anti Rebound Blocking System), we offer you the highest possible choice of safety solutions.

You have unique needs and we have unique solutions for you. Create your perfect seat belt safety system from our catalog of regular parts or tell us your needs and we will make you a special order.





2-point belt systems



2-point ELR

Our 2-point ELR seat belt: Your ultimate safety companion on the road! The ELR mechanism instantly detects sudden stops or rapid deceleration. In the event of an emergency, the ELR system engages, securing you snugly in place and preventing any potential forward movement. This rapid response ensures you remain firmly protected during unforeseen circumstances.



2-point ELR with ARBS

Our 2-point seat belt with an ELR equipped with the unique ARBS (Anti Rebound Blocking System). Safety takes a giant leap forward with the integrated ARBS. This groundbreaking technology prevents uncontrolled retracting of the webbing and locking when the webbing is fully retracted (i.e., belt can't get stuck in the retractor).



2-point ALR

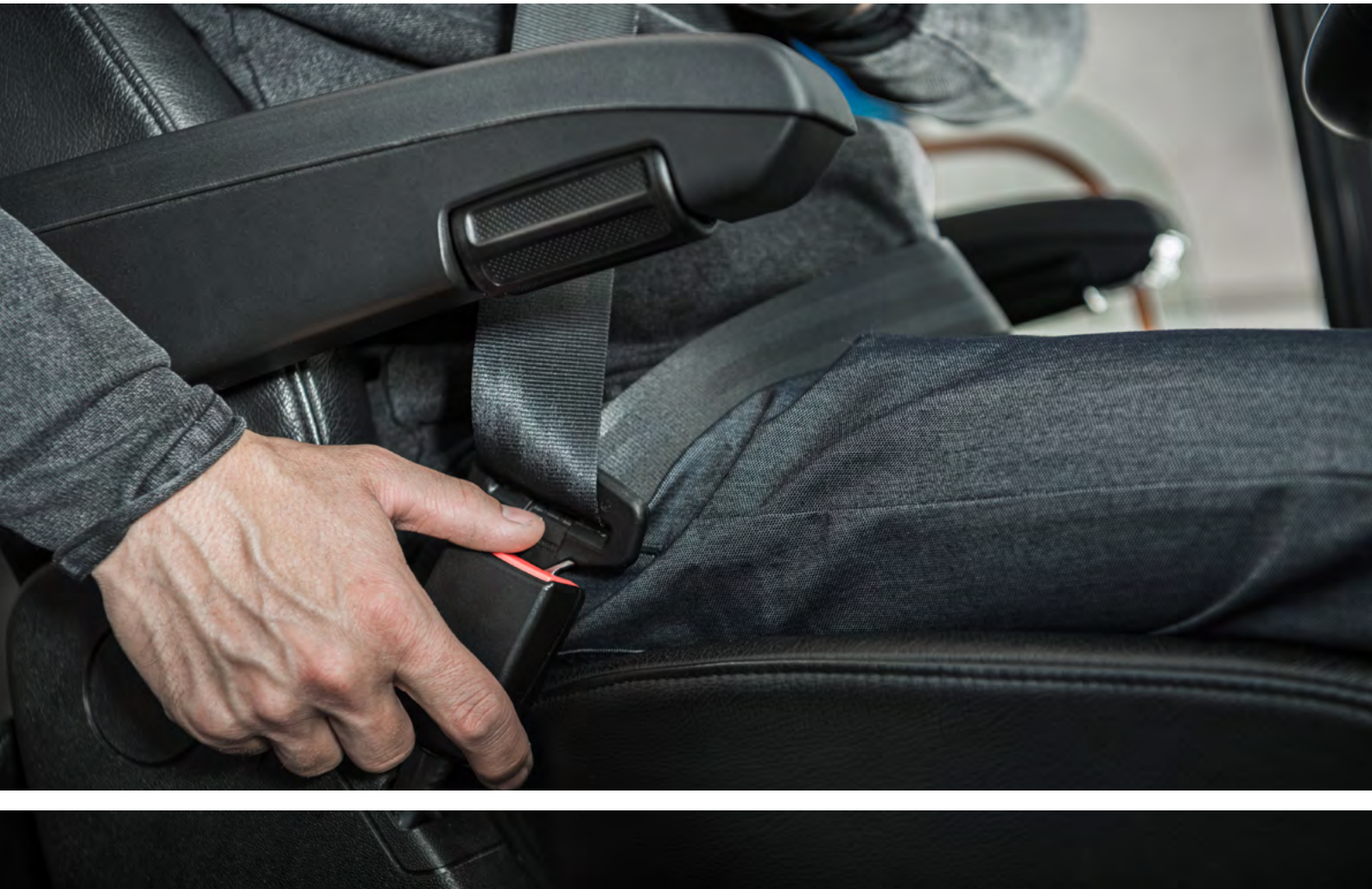
Our 2-point ALR seat belt ensures that you and your passengers are secured with the utmost precision. The automatic locking retractor guarantees an instant and secure fit as soon as you fasten the belt. This means no more bothersome tugging or adjusting – just fasten it, and you're instantly shielded with uncompromising safety.



3-point belt systems

We are setting new standards with our tested 3-point belt systems in occupant safety. The 3-point belt systems offer highest possible strap capacity of 2,350 mm with the lowest possible clearance. The multitude of tilt-lock sensors always offers space-saving installation in the most diverse installation situations and highest possible ergonomics and safety.

Create your perfect seat belt safety system from our catalog or tell us your needs and we will make you a special offer.



3-point belt systems



3-point automatic ELR

Less consumption of space with maximum strap capacity characterises our 3-point belt system. Optimized sleeves enable installation in challenging conditions. Our modular construction system is used in this case as well. This enables you to configure your safety belt individually with existing components and thus ensures more safety and flexibility.



3-point ELR Flex

Our 3-point Flex sensor system provides safety in every situation. It makes it possible to install the safety belt in an adjustable backrest with up to 40 degrees reclining! The special sensor compensates the range of adjustment of the backrest and at the same time it prevents the safety belt from locking in non-emergency situations. The belt is guaranteed to lock if the vehicle tilts or acceleration of the strap occurs.



3-point ELR All Age

Our All Age safety belt is the world's first safety belt with vertical strap outlet without deflection of the strap. The All Age system allows the change of the diagonal shoulder belt height with ± 100 mm. The belt can thus be adjusted perfectly to the size and the shoulder height of the passenger and maximum safety can be provided.



3-point automatic ELR/ALR

One safety belt with two functions. Our Full-size ELR easily converts to an ALR when it's time for fastening a child car seat. Then it easily converts back to an ELR again. It is a special functionality only for buses on the US market.





5-point harness systems

Our 5-point safety systems are the gold standard for keeping children safe in many different applications. When you choose Holmbergs, you're using the best.

The 5-point harness system, commonly used in child car seats, provides superior protection by securing passengers at five key points: shoulders, hips, and crotch.

Our 5-point harnesses are an important safety part in such applications as cargo bikes, bike trailers and combined child-adult bus seats.

Contact us and we will be happy to create the perfect 5-point harness system for your application.





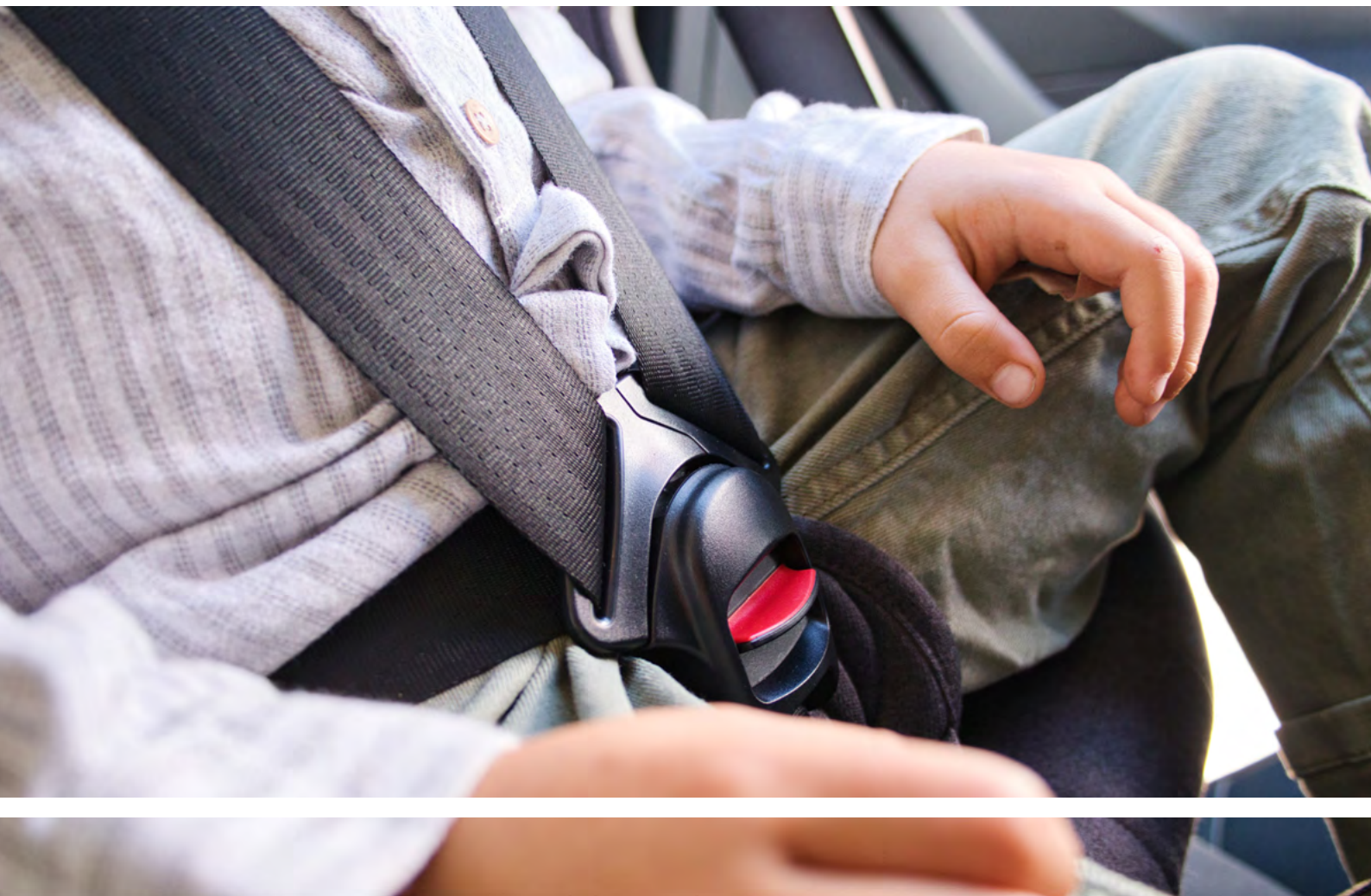
5-point harness systems



5-point harness systems

Our 5-point harness systems have saved many lives in child car seats. But they can be easily adapted to other applications than car seats. Wherever you need a 5-point harness system for your special application we can help you.

Take a look at our Child Safety catalog and choose from our wide range of trusted and well-tested products.





Special systems

We can be your trusted business partner when you need something special for forklifts, construction equipment, agricultural machinery, defense, wheelchair restraints, bicycle restraints for public transportation and emergency vehicles. Our particular strength lies in the development of customer-specific special solutions. Thanks to our modular construction system, we can modify our products to your needs.

This flexibility is among our core tasks. We would be happy to answer your queries.

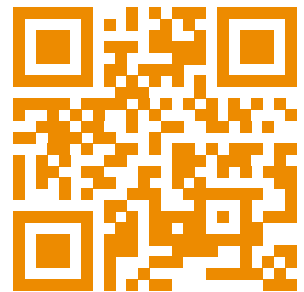




Wheelchair and Occupant Restraint System

The true quality of a Wheelchair and Occupant Restraint System is proved in its daily use. We have developed the concept of our system based on this premise. The system adapts itself to your individual requirements and combines existing solutions efficiently with customized products.

Do you want to know more about our Wheelchair and Occupant Restraint System? Scan the QR code to read the brochure.



Wheelchair and Occupant Restraint System



Other special systems



Goliath wheelchair retractor

Our customizable solution for floor integration allows mounting of the retractor under the floor with more belt capacity. Both for front and rear mounting of wheelchairs. Contact us if you would like to know more.



Bicycle retaining belt

Bicycle retaining belt equipped with ALR and fastening hook. Total hook length is 56,5 mm, width 59 mm and height 22 mm. The hook has 15° tilted angle.



Buckles

Occupant safety buckles



Webbing buckle

Our occupant safety buckle with webbing attachment and push button. Available with dual cover.



Wire buckle

Our occupant safety buckle with wire attachment in several wire lengths, wire types and push button. Available with mono or dual cover.



Bracket buckle

Our occupant safety buckle with customizable bracket length, bending and push button. Available with mono or dual cover.



eBuckle™

Our smart occupant safety buckle which communicates buckle status. eBuckle™ is part of our Holmberg's DigitalSafety™ solution. Available with dual cover. Read more on page 36-37.



Off-road buckle

Our well proven buckle mechanism with cut-a-way cover and slotted openings for excellent dust and dirt performance. It can be used with our Holmberg's DigitalSafety™ solution.



Occupant safety tongues



Straight tongue

Straight tongue for our 2-point lap belts with 50 mm web slot.



Adjustable tongue

Adjustable tongue for our 2-point belts with 50 mm web slot.



Angled tongue

Angled tongue for our 3-point belts with 50 mm web slot.



Medical buckle and tongues



Medical buckle

Medical buckle with push button. Perfect choice for wheelchair and medical belt systems.



Static tongue

Static tongue for our Medical buckle. It fits perfectly in construction and agriculture's vehicles with 24 mm web slot.



Adjustable tongue

Straight tongue for our Medical buckle with 50 mm web slot. Just buckle up and adjust.



End brackets

Our flexibility for your needs

You can choose from our standard end brackets, or we can customize and produce them just as you need them!

Customizable features:

- Surface treatment (zinc or E-coating)
- Hole diameter
- End bracket angle

Some of our standard end brackets:



End bracket 0°

Zinc plated straight end bracket with 25 mm web slot. Total bracket length is 53 mm, width 44,3 mm. Available with e-coating.



End bracket 15°

E-coated end bracket with 15 degrees angle, and 25 mm web slot. Total bracket length is 53 mm, width 44,3 mm. Available with zinc plating.



End bracket 75°

Zinc plated end bracket with 75 degrees angle, 25 mm web slot. Total bracket length is 53 mm, width 44,3 mm. Available with e-coating.



Pillar loops



Pillar loop 30° with cap

Pillar loop for 3-point belts with 30 degree angle and a plastic cap. Ø 14 mm hole and 10,6 mm web slot. Total pillar loop width is 76 mm. Total pillar loop with cap length 65 mm. Available with zinc or E-coating.



Pillar loop 15° with cap

Pillar loop for 3-point belts with 15 degree angle and a plastic cap. Ø 14 mm hole and 10,6 mm web slot. Total pillar loop width is 76,4 mm. Total pillar loop with cap length 65 mm. Available with zinc or E-coating.



Pillar loop 15° FSS

Pillar loop for 3-point belts with 15 degree angle. Ø 17,3 mm hole and 2 mm web slot. Total pillar loop width is 85 mm and length 64 mm. It has a polished texture for a better and easier-belt glide.



Plastic pillar loop

Pillar loop for 3-point belts made of plastic with Ø 16,1 mm hole and 2 mm web slot. Total pillar loop width is 80 mm and length 53 mm.





Other components

When you choose Holmbergs you can always be sure that you will find everything you need.

Take a look at our other components that we offer to create your complete safety system.

We are experts in transforming ideas and requests into customer specific designs. Contact us for more information.



Sleeves & adjusters



Static adjuster

Static adjuster for webbing. Total width 73 mm, length 46,5 mm and height 11 mm. Fits to all Holmbergs webbings.



Full size ELR sleeve

Plastic sleeve for our Full size ELR. Total sleeve length is 199 mm, width 57 mm and height 8 mm. Hole Ø 15,7 mm.



Hard sleeve

Total sleeve length 155 mm, width 54 mm and height 10 mm. Hole Ø 14 mm.



Sleeve

Total sleeve length 113 mm, width 65 mm and height 11 mm. Hole Ø 15 mm.



Stoppers and guides



Tongue stopper

Plastic rivet for catching the tongue and preventing it from falling down into the seat. Total thickness of the rivet 6,5 mm. Ø 16 mm.



Webbing guide

Plastic webbing guide for all our webbings. Total width of the guide is 58 mm. Total available thickness for webbing is 2,5 mm.

Hooks



J-hook

Zinc plated metal hook. Total hook length is 145 mm, width 50 mm and height 54 mm. Hook gape Ø 30,5 mm.



Hook

Zinc plated metal hook. Total hook length is 128 mm, width 50 mm and height 56 mm. Hook gape Ø 32 mm.



Hook

E-coated metal hook. Total hook length is 128 mm, width 50 mm and height 56 mm. Hook gape Ø 32 mm.



Labels

We offer few different ways of marking your safety belts. Choose from thermo, flat, loop or flag labels.

Thermo label



Flat label



Loop label



Flag label





Webbing

We have a wide range of webbings, each one evaluated and tested together with the applicable products. They are strictly controlled in the process for incoming goods, to guarantee the quality. On top of that we have rigorous testing routines by a solid QA process.

Our experienced sales managers will help you to choose the most optimal webbing for your application.





Black 5 panels webbing. Width 47 mm. Thickness 1.1 mm.



Orange 5 panels webbing. Width 47 mm. Thickness 1.1 mm.



Red 4 panels webbing. Width 48 mm. Thickness 0.9 mm.



Blue 5 panels webbing. Width 47 mm. Thickness 1.1 mm.



Yellow 5 panels webbing. Width 47 mm. Thickness 1.1 mm.



Safety Textiles

We've got you covered.

With Holmbergs cover kits, it's possible to be safe and look good. Whether it's car seats, strollers, backpacks or commercial vehicle seats, Holmbergs has you covered.

Whatever you need printed on your covers, we can accommodate you with water-based ink, so your covers are completely safe. No order is too big or too small. Holmbergs lets the passengers look good while staying safe.

Safety should be comfortable. In a Holmbergs safety system, people enjoy the ride with maximum comfort thanks to the high-quality, cozy seat paddings, backrests and headrests we produce.





Flexibility and speed

We can deliver confirmed products in a few days or a new project in a month. We can do everything from special small orders (tailor-made one single product) to large volumes. Our flexibility is endless.

We'll help you design a safety cover that showcases your brand and keeps the passengers comfortable and safe. From on-demand printing and personalization to embroidery or something completely different, we'll work with you to make it look and feel amazing. We understand that your branding is a key component to your identity.

From
1 piece

To 3 million
products per year

Quality consistency

Our strict quality control processes guarantee that the materials we use is certified by each fabric producer. On top of that we have rigorous testing routines by a solid QA process. That means your customers enjoy consistently high quality in your products.



Sustainability and responsibility

Your products will be as safe for the environment as they are for the people using them. Our printing process is with water-based ink. The ink is not classified as being a bio-hazard and the waste from the printing machine, that consists of ink and water mix, is sent to purification. The water is reintroduced in the circuit.

Our safety covers comply with OEKO-TEX Confidence in Textiles Standard 100, which means they contain no harmful substances.

100%
reusable packaging

100%
recycling of waste

100%
water-based ink





Holmbergs DigitalSafety™

The world's first fully-integrated digital safety solution!

Holmbergs never stops innovating. We developed our first seat belt buckle in 1955 and now we're upgrading buckles so they can communicate directly with drivers. Our eBuckle™ and presence sensor sends real-time information to the Connectivity Hub™ and a wireless signal is sent to the driver display to keep the driver notified with buckle status and safety notifications.

Embed the Connectivity Hub™ in the seat and you are ready to use Holmbergs DigitalSafety™ wireless seat belt reminder system!



ECE R16

ECE R118

ECE R10

EN 1789



Wireless communication



The Connectivity Hub™ can connect to several sensors, such as the eBuckle™ and the presence sensor. Every added sensor has a wired connection to the hub, and a wireless signal is sent from the hub to the display. One hub can be used with several seats, we adapt it to your needs.



Easy system configuration and reduced installation hours for vehicle builders.



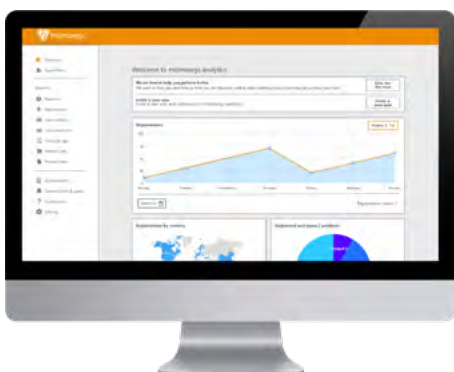
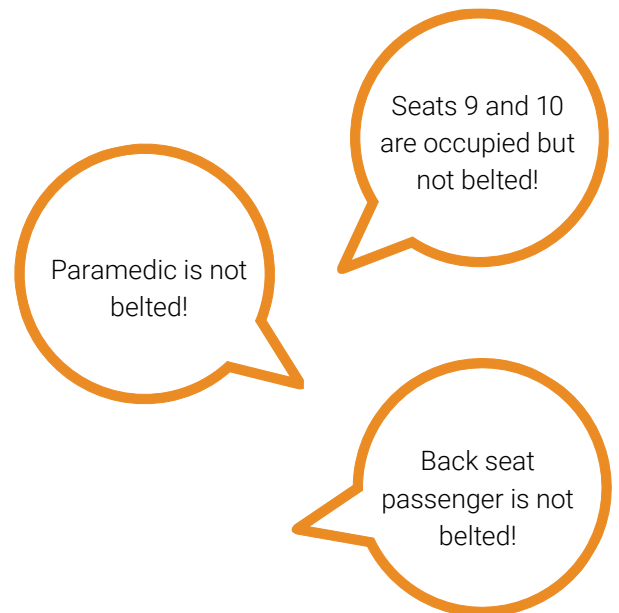
Direct replacement for wired seat belt reminder systems. Unchanged display interface.



Increased safety for removable seats.

An extra layer of safety with the display

Real-time vehicle safety information keeps the driver notified with buckle status and safety notifications. Connect wirelessly to your vehicle's built-in display through the steering system using our gateway solution, or pair directly with Holmberg's display design. A seamless connection, no wires needed!



Holmberg's Analytics

Utilizing Holmberg's display design, Holmberg's Analytics continuously gather data, unveiling insights and uncovering new opportunities.

Gain comprehensive insights into your business chain with fleet management. Track your products effortlessly and access them with ease.



Process control

Quality system

SS-ISO 9001 since 1995
QS 9000 since 1998
TS 16949 since 2007
SS-ISO 14001 since 2010
IATF 16949 since 2018

Other TQM techniques

Lean Manufacturing
Kanban
5S system
Kaizen
TPM
TPU
SMED

Tried, tested and trusted

When safety is your business, you can't test enough. Before our products are ever used by the public, they must pass rigorous testing and quality control measures. Lives depend on it. That is why Holmberg's goes above and beyond the requirements of the various certifications we earn when testing our safety systems for children and adult vehicle occupants.

Our products are constantly tested to meet international regulations and certifications from the highest international authorities in vehicle safety.

Company

IATF 16949
ISO 9001
ISO 14001
SMETA

Products

FMVSS 209, 302
CMVSS 209, 302
UN ECE R16, R118
SAE J386, 2292, 2249
EN-71-3, EN-71-2
ISO 3776
ISO 6683
ISO 10542
RED
Bluetooth Qualification
RoHS
REACH
OEKO-TEX



Innovation

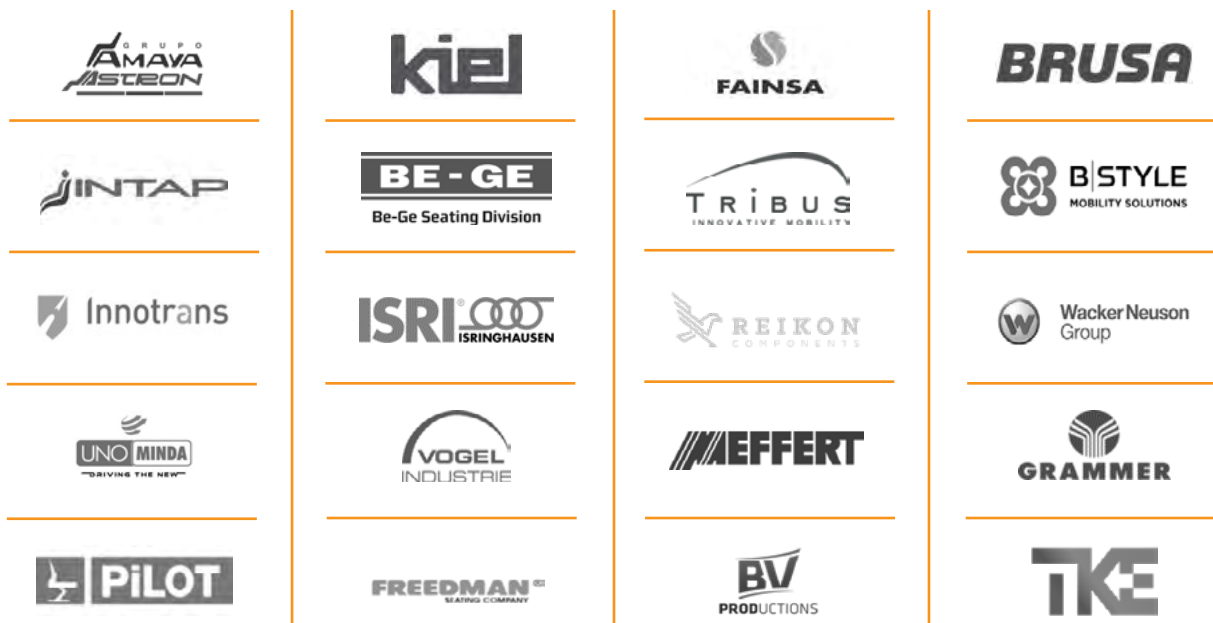
Never satisfied with what is currently considered the best, we continually improve our products with creative innovation and advanced technology. We are also responsible for introducing many firsts in the world of vehicle safety, something that we proceed to do today and will continue into the future. Holmbergs embraces new frontiers in vehicle safety because we know when it comes to safety, there is always room for improvement. Research and development is and always has been an integral part of the Holmbergs identity. We're not "thought leaders," we're action leaders.

You can always trust us with full confidentiality, excellent performance and quality.

Partners

Holmbergs is honored to partner with many top international safety brands in the areas of child safety, occupant safety and safety textiles.

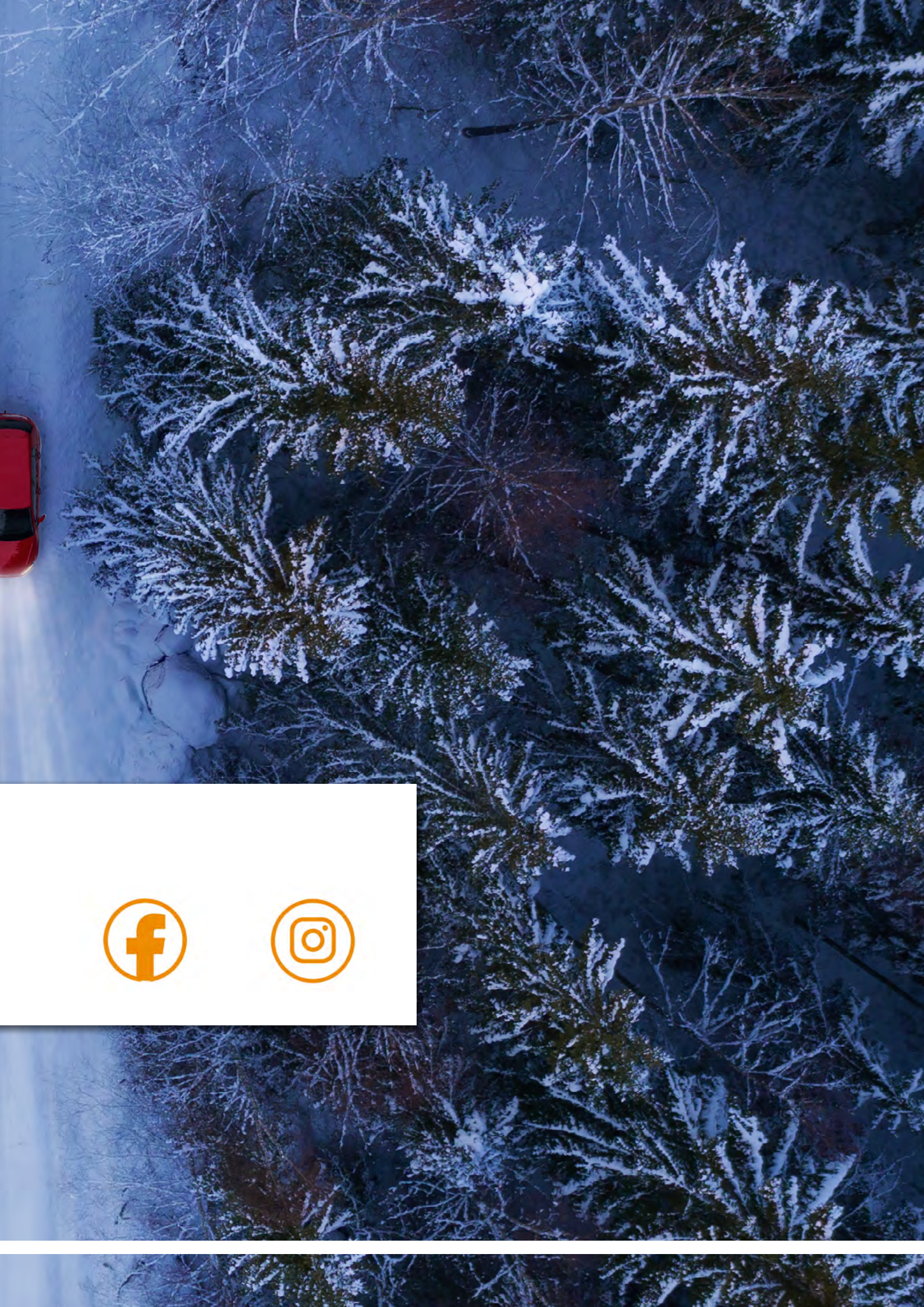
Our partners include some of the most well-known makers of child car seats and commercial vehicle seats. They trust us to make their products safer.





Let's connect







**Making transportation
safer for everyone**

Holmbergs Safety System Holding AB

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