



ACCESS SOLUTIONS THAT GO THE DISTANCE

On and off the road



IndustriLás
— When access counts —

WHEN THE GOING GETS TOUGH

Mud, snow, ice, salt spray, blistering heat or bitter cold – you know what we mean. Conditions like these can be tough on machinery. Not to mention falling debris, sudden jolts and relentless vibrations that can really shake things up and lead to unwanted damage.

Regardless of whether your equipment is used to manage lands, build infrastructure, carry passengers or goods, or enable people to enjoy the great outdoors, the environments it operates in are far from friendly. Which is why the hardware you rely on to keep both people and things safe must be able to handle some serious challenges.

SERVING THE SECTOR FOR DECADES

Industralas is a Swedish company that has been developing, designing and manufacturing world-class access solutions for the transportation sector for over 40 years. All with total control over the entire, in-house production chain from design and manufacturing to final surface treatments and assembly. So by the time they leave our house, you can be sure they are 100% ready to roll, float or fly.



INVENTOR OF THE VECTOR LATCHES

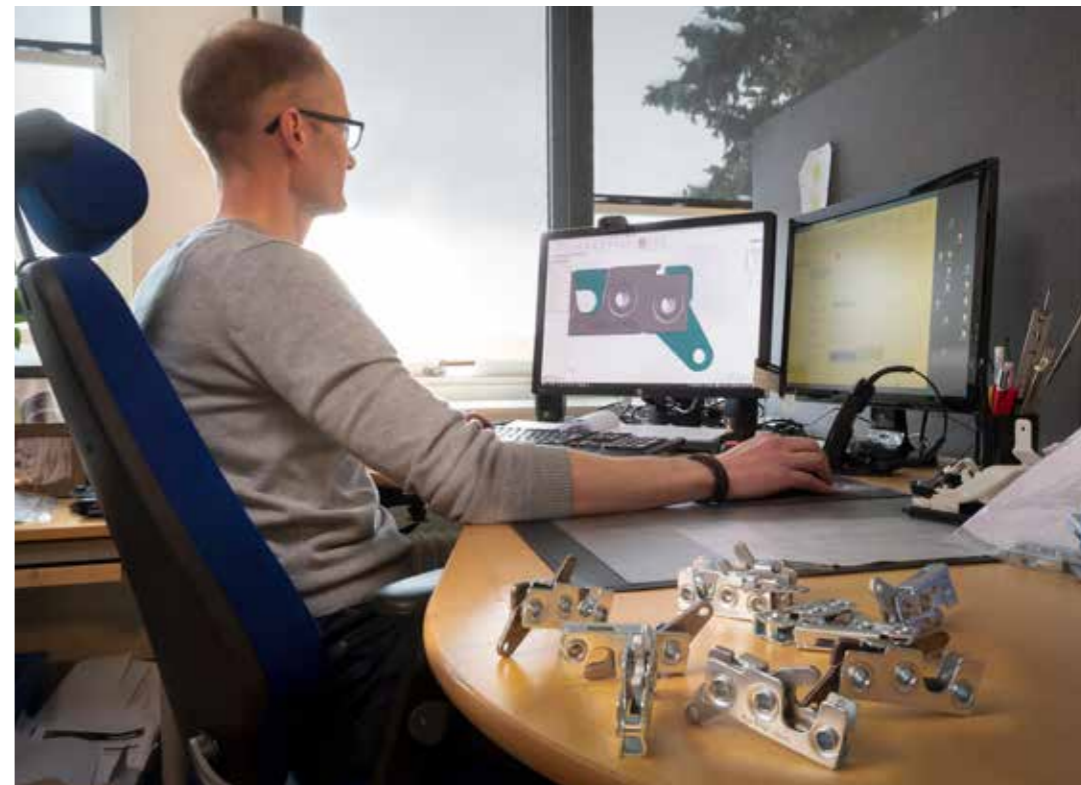
Industralas Vector™ saw the light of day more than twenty years ago. Today it includes three generations of latches as well as rotary systems. Vector solutions are requested by customers who demand the very best in robust, great-looking and ergonomically designed latches for tough environments.



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DESIGNED IN-HOUSE DESTINED TO TRAVEL

Fortunately for us and our customers, nothing gets our product engineers and designers more fired up than an unusually tough nut to crack. So whenever a problem related to on- or off-road vehicles, ships, airplanes or heavy machinery comes our way, you can be sure our people will be up to the challenge.

PARTNERS IN PERFECTION

The secret to our success? Your participation. We find that the more our customers want to be involved, the better the end results usually are. That is why when you come to us with your idea or problem, we guide and engage you throughout the entire process from design to manufacturing. In that way, together we create solutions that are well thought through and deliver the perfect combination of function, safety, ease of use and flawless look and feel.

TRIED AND TESTED

With decades of experience under our belt, we know how much customers value our unique

solutions and our modular approach that enables them to pick and choose from a variety of alternatives. Industrilas Vector™ is a perfect example – available in different series for compression or slam action, as well as heavy duty models for extra demanding environments. And when it comes to ensuring the right quality for transportation applications, we pull out all the stops:

- BSR (Buzz, Squeak and Rattle) extermination
- Crash tests to ensure nothing comes loose
- Vibration- and shock resistant according to DIN EN 61373
- Automotive quality in accordance with IATF 16949

SOMEWHERE NEAR YOU

Today Industrilas is present in over 40 countries around the world including eight full-service hubs and three manufacturing facilities, (Europe, Asia and Latin America) allowing us to keep lead times to a minimum and provide local service for our customers.





ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, heat, cold, water, salt, snow, ice, dirt

DESIGN & ENGINEERING FEATURES

- Vibration-resistant according to DIN EN 61373
- Automotive quality in accordance with IATF 16949
- Durable for reliably long use
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material
- Central locking option available
- Proper gasket compression for superior sealing

AESTHETIC & ERGONOMIC BENEFITS

- Stylish look and feel
- Exceptional ease of use
- Stays shut when supposed to
- Will not buzz, squeak or rattle
- Clever flush-mounted design

COMMERCIAL VEHICLES TRUCKS/LORRIES, BUSES, PICKUPS AND VANS

With so much horsepower hauling so many tons down the highway, it is no wonder that safety and durability are essential to the operation of rigs like these. And just like the specialized tires you choose to keep them glued to the road, the latching systems you use should be just as secure, ensuring that compartments stay shut after every jolt.

Industralas solutions are specially designed to help keep your lorries, buses and other commercial vehicles running on schedule, no matter what bumps or weather they may run into. Our vibration-resistant latches are perfect for all kinds of exterior storage bays and interior compartments and lockers, and our ergonomic grab handles make entry and exit easier. We also provide solutions to

support the fashioning of interiors to keep long haul drivers happy in their home away from home. Whether you want to integrate sleeper windows or skylights, create flexible meal and workspaces, or need a telescopic bunk ladder that folds easily and securely away, Industrilas has the answer.



OFF-HIGHWAY VEHICLES CON-AG

Operating construction or agricultural equipment can be like fighting a heavyweight contender. Your machinery has to be up to the challenge in front of you, and able to take a crunching blow without going down.

Industrias heavy-duty access solutions are skilfully crafted to secure the exterior compartments of off-highway vehicles when working in the toughest of environments. This means not only providing protection against the elements, but also being able to endure flying or falling debris capable of causing considerable damage. Inside the cab, our

ergonomically designed solutions dependably secure enclosures and eliminate squeaks and rattles otherwise caused by vibrations. In doing so, they ensure a more comfortable work environment for the operators who spend long and demanding hours behind the controls.

ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, debris, heat, cold, water, salt, snow, ice, dirt, mud

DESIGN & ENGINEERING FEATURES

- Made for heavy-duty use
- Vibration-resistant according to DIN EN 61373
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material
- Proper gasket compression for superior sealing

AESTHETIC & ERGONOMIC BENEFITS

- Sophisticated look and feel
- Clever flush-mounted design
- Stays shut when supposed to
- Exceptional ease of use



ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, heat, cold, water, salt, snow, ice, dirt

DESIGN & ENGINEERING FEATURES

- Acid-proof stainless steel (AISI 316)
- Proper compression
- Vibration-resistant according to DIN EN 61373
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material

AESTHETIC & ERGONOMIC BENEFITS

- Sophisticated look and feel
- Clever flush-mounted design
- Exceptional ease of use
- Will not buzz, squeak or rattle

RAILWAY TRAINS

More comfort, greater reliability and less stress are three of the top reasons why many people choose to travel by rail rather than by air or by car. We get it. Industrilas access solutions deliver exactly that, making them a perfect fit for train manufacturers competing on the world's urban and mainline passenger rail markets.

Passengers climbing aboard metro, commuter or mainline trains may not notice all of the exterior and interior compartments, panels, fixtures and equipment secured with access solutions like ours. But when inferior products are used it is just a matter of time before the squeaks and rattles begin to erode passenger satisfaction. Industrilas vibration-resistant access solutions for trains are

expertly designed and manufactured to stand up against the elements and vibrations over the long run. They not only make the journey more comfortable and less stressful for passengers, but also for crews and maintenance staff who appreciate durability, ease of use and proper compression.



MARINE YACHTS, BOATS, FERRIES, CRUISE SHIPS & CARGO SHIPS

When it comes to security at sea, whether aboard a large cruise ship, a ferry or a small pleasure craft, we are all in the same boat, and it is packed with risks. It is also bound to encounter harsh or corrosive conditions, placing even tougher demands on the hardware needed to keep everything safely in place and easy to access.

Industrilas solutions for maritime vessels are durably and elegantly crafted to make sea voyages safer and more enjoyable, wherever they may be needed. From deck access hatches to cabin interiors, galleys to cargo holds, our corrosion-resistant latches are ideal for conquering the challenges of

salt, vibrations, temperature changes and heavy usage over an extended period of time. They are also designed with the needs of your crew and passengers wholly in focus, making both working and relaxing on board more pleasurable.

ENVIRONMENTAL & MECHANICAL CHALLENGES

- Water, salt, heat, cold, vibrations

DESIGN & ENGINEERING FEATURES

- Acid-proof stainless steel (AISI 316)
- Made for heavy-duty use
- Vibration-resistant according to DIN EN 61373
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material
- Proper gasket compression for superior sealing

AESTHETIC & ERGONOMIC BENEFITS

- Sophisticated look and feel
- Clever flush-mounted design
- Exceptional ease of use



ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, heat, cold, water, salt, snow, dirt

DESIGN & ENGINEERING FEATURES

- Vibration-resistant according to DIN EN 61373
- Automotive quality in accordance with IATF 16949
- Durable for reliably long use
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material
- Central locking option available
- Proper gasket compression for superior sealing

AESTHETIC & ERGONOMIC BENEFITS

- Stylish look and feel
- Exceptional ease of use
- Stays shut when supposed to
- Will not buzz, squeak or rattle
- Clever flush-mounted design

RECREATIONAL VEHICLES MOTORHOMES AND CARAVANS

When taking to the road for some rest, relaxation and perhaps a little adventure, the last thing one wants is to be getting annoyed over breakdowns or equipment issues such as latches that rattle, will not close properly, or are just plain bothersome.

Our solutions for recreational vehicles are designed and manufactured not only to maintain harmony, but also to add to the beauty of life on the road – time after time, adventure after adventure. Vibration-resistant latches for cabinets, drawers, storage compartments and skylights on the inside, as well as for access panels, ramps and racks on the outside, make for a smoother, more stress-free journey all around. For climbing safely in and out of bed, we also offer lightweight, yet sturdy ladders

with a clever design that allows them to be easily and securely folded away when not in use. And because Industrilas is certified according to IATF 16949, you can rest assured that the quality of our solutions for recreational vehicles is always top notch.



SPECIALTY VEHICLES

SPECIALTY VEHICLES

Responding to emergencies is serious business. And the last thing firefighters, police or EMTs need are obstacles in their way, whether it be heavy traffic or failures with their equipment or vehicles.

Industrilas solutions for specialty vehicles are manufactured to support first-class preparedness and dependability in the face of emergency. Designed with first responders in mind, our durable, vibration-resistant latches are ideal for providing fast, safe and reliable access to any type of compartment or equipment locker, inside or out. And our ergonomic grab handles can help make

getting in and out of specialty vehicles both easier and safer. Naturally, Industrilas is certified according to IATF 16949, so you can be sure everything we deliver has the quality your emergency vehicles need.

ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, heat, cold, water, salt, snow, dirt

DESIGN & ENGINEERING FEATURES

- Vibration-resistant according to DIN EN 61373
- Automotive quality in accordance with IATF 16949
- Durable for reliably long use
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material
- Central locking option available
- Proper gasket compression for superior sealing

AESTHETIC & ERGONOMIC BENEFITS

- Exceptional ease of use
- Stays shut when supposed to
- Ergonomically designed handles
- Clever flush-mounted design



ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, heat, cold, water, salt, snow, dirt

DESIGN & ENGINEERING FEATURES

- Made for heavy-duty use
- Vibration-resistant according to DIN EN 61373
- Automotive quality in accordance with IATF 16949
- Sealed to keep water, snow, ice and dirt at bay
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AESTHETIC & ERGONOMIC BENEFITS

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- Stays shut when supposed to
- Stylish look and feel
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- Clever flush-mounted design

ARMoured VEHICLES

Drivers of armoured vehicles have enough on their minds without having to worry about whether some part of their vehicle might fail. They need to know they can trust their equipment to function under virtually any conceivable conditions, threatening or not. At Industrias, we deliver precisely that kind of confidence.

Just as security requires sharp focus and attention to detail, so too does the design and manufacture of access solutions for military, law enforcement, cash-in-transit and civilian armoured vehicles. Designed with drivers, personnel and passengers in mind, our durable, vibration-resistant latches are ideal for providing reliable access to many types of compartments both inside and out – without

disturbing squeaks or rattles. Flush-mounted design, ergonomic features and a sophisticated finish make them ideal even for more stylish interiors which cater to the civilian market.



POWER SPORTS ALL-TERRAIN VEHICLES, SNOWMOBILES, UTILITY TRUCKS AND MORE

Conquering trails, cutting the waves and blasting through freshly fallen powder are some of modern life's most exhilarating pleasures. And with a growing generation of adventurers climbing into the driver's seat, every competitive edge you can offer them is a plus.

As a power sports manufacturer your machines are designed not only to stand up against the elements, but also to excite. Performance, great handling properties, comfort and reliability are some of your most important engineering goals. The same goes for Industrias and the access solutions we develop. Our sleek, ergonomic and high-performing latches and handles integrate

beautifully with your creations and ensure that storage compartments look great and stay shut even when taking a thrashing. Mother Nature may throw everything from icy temperatures to dirt, water, mud and unswerving rocks in the way, but to that we only have one thing to say: "Bring it on!"

ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, heat, cold, water, salt, snow, dirt

DESIGN & ENGINEERING FEATURES

- Made for heavy-duty use
- Vibration-resistant according to DIN EN 61373
- Automotive quality in accordance with IATF 16949
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material
- Proper gasket compression for superior sealing

AESTHETIC & ERGONOMIC BENEFITS

- Exceptional ease of use
- Stays shut when supposed to
- Stylish look and feel
- Clever flush-mounted design





ENVIRONMENTAL & MECHANICAL CHALLENGES

- Vibrations, pressurization, heat, cold, water, snow, dirt

DESIGN & ENGINEERING FEATURES

- Durable for reliably long use
- Sealed to keep water, snow, ice and dirt at bay
- Fast and easy to install
- Robust and lightweight material

AESTHETIC & ERGONOMIC BENEFITS

- Exceptional ease of use
- Stays shut when supposed to
- Stylish look and feel
- Will not buzz, squeak or rattle
- Clever flush-mounted design

AEROSPACE ALL THINGS FLYING

Soaring 30,000 feet above the earth in order to travel thousands of miles within just a few hours is quite a technological achievement when you stop to think about it. Still, most passengers never give it a second thought. Instead, their main concerns are often about how comfortable they can get, or whether or not they will arrive more than 20 or 30 minutes late.

As a manufacturer you know the enormous amount of innovation that goes into making sure their time in the clouds will be as comfortable and as delay-free as possible. Because when something as trivial as a latch that will not close properly can prevent a plane from taking off, the choice of latches is suddenly no small matter. And as far as comfort goes, neither cabin crews, pilots

nor passengers appreciate the stress that squeaks or rattles caused endless vibrations can create. Industrilas vibration-resistant access solutions are expertly manufactured to ensure your aircraft's panels and compartments in cockpits, cabins, galleys and cargo holds, as well as on the outside of the plane, will stay shut, quiet and safe.



INDUSTRILAS VECTOR™

THE REAL DEAL

Imagine a wide range of latching systems developed to endure all weather conditions, rough construction sites and bumpy roads. Now imagine that these latching systems are vibration resistant, water- and dustproof and that the same key locking cylinder is available for all the products. Add robust yet stylish design, suitable for a wide array of applications to the list and what do you get? A family of our toughest and most durable solutions.

VECTOR T3 CENTRAL LOCKING

The Vector T3 Central Locking Handle is used in applications where unlock and lock signals are sent from the handle to the vehicle's information system. It is available with a feedback function, letting the system know if the T-bar handle is open or closed, and if the handle is unlocked or locked. The handle creates 4 mm compression, is sealed to IP65 for water and dust, has a mechanical override cylinder, is available for 12- and 24-volt systems and can be used with fixed or adjustable roller cams, as well as 1-, 2- and 3-point latching systems.



VECTOR T1 HANDLE

The original Vector T1 Handle features two locking systems: a key-locked cylinder or padlockable. Vector T1 Handle is available in two mounting versions: with screws or rivets, or with the bolts molded into the dish for mounting with nuts on the inside.



VECTOR T2 HANDLE

Vector T2 Handle is easy to install with a mounting bracket. Available as defeater handle with a spring-loaded tool operated insert to prevent accidental opening.



VECTOR T3 HANDLE

This flush compression latch is sealed to IP65 against water and dust. It can be used with fixed or adjustable roller cams, as well as 1-, 2- and 3-point latching systems. Vector T3 comes in zinc or stainless steel. The zinc version offers a handle with the turning pivot shaft in zinc and with a cast-in-steel shaft. Vector T3 has the same cut-outs and cam options as Vector T1.



VECTOR P HOOKED CAM

Paddle latch where the latching mechanism securely latches the cam behind the striker. The more force that is placed on the cam will enable a harder engagement with the striker.



VECTOR P ROTARY LATCH

This rotary latch is designed for on- and off-road vehicles. The latching mechanism engages the striker in two steps to provide extra safety. Vector P Rotary Latch can withstand a colossal pull force of 225 kg when the latch is closed. The latch has an inside release safety feature which allows opening of the latch from the inside even when it is locked.



VECTOR P TWO-POINT LATCH

Ideal for applications where a door and frame can shift in a moving vehicle. The handle is used with a slam catch and round 10 mm rods, providing a slam action with two latching points instead of just one in the centre.



VECTOR PUSH BUTTON HANDLE

Vector Push Button Handle is both robust and ergonomic. It is designed for cab doors and manufactured with durable materials to withstand tough outdoor environments. Available for mounting on both metal and glass doors.

VECTOR ROTARY LATCHING SYSTEM



Vector strikers

Designed to be used with our Vector rotary latches.

A complete access solution for applications that require a strong, robust and secure latching. Suitable in applications where the actuator handle is placed in a different location compared to the latch point or latch points. The complete Vector rotary latching system consists of an actuator, latch points and wires or rods.

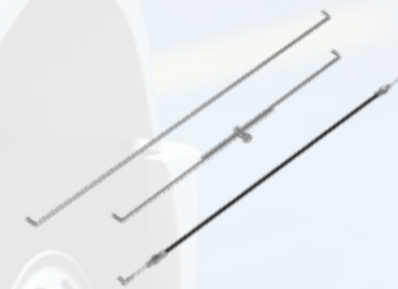
VECTOR ROTARY LATCHES

Vector rotary latches offer concealed latch points with convenient push-to-close action for lids and doors.



Vector rotary latch points

Offers concealed latch points with convenient push-to-close action for lids or doors. The latches have a low trigger force ratio and are available with single or double stage latching.



Vector wires and rods

Vector Wires are equipped with threads for adjustment on both ends, making it easy to adjust on both latch point and actuator side. Vector Rods have L-shaped end-connections that attach easily and securely to the latch points and actuators.



Vector rotary handles

You can choose Vector Pull Handle or Vector Push Button Handle to operate the system.



SLAM CATCHES

Slam catches prevent wear and tear on the latching rod as the latching point easily flex in the application. Slam catches are used when push-to-close action in combination with multipoint latching, is required.



SLAM LATCHES

The Push-button Slam Latch is a 7-pin tubular cam-lock with slam-latch-action where the spring-loaded cam is operated by the lockable push button.



COVER STAYS

Door retainers and hatch supports keep your applications in place. A door can be locked in the wide-open position with the retainer or stay open at several positions with the hatch support. The door retainers are available in versions with stainless steel.



TELESCOPIC LADDERS

Industrilas AscendR™ is a line of telescopic ladders with a multitude of application areas. Robust yet light weight and solid but still easy to handle. The ladders can easily be folded and secured under bunkbeds with our specially designed latches and brackets.



QUARTER-TURNS AND CYLINDER LOCKS

The range of quarter-turns and their area of use are endless. We offer everything from regular quarter-turns for simple applications, to stainless steel versions with vibration resistance according to DIN EN 61373. Quarter-turns can have compression functions as well as being water- and dustproof. You can design the quarter-turns however you like by combining your choice of housing, nut, insert, washer, screw and cam.



VISION SWING HANDLE SYSTEMS

Swing handles available in turn-to-latch version where the door is locked by turning the key or push-to-latch version where the spring-loaded cam latches when the handle is pushed in. The Vision system also contains Vision Outside – the leading latching system for absolute protection against the elements. The handles are available in a variety of materials and surface treatments.



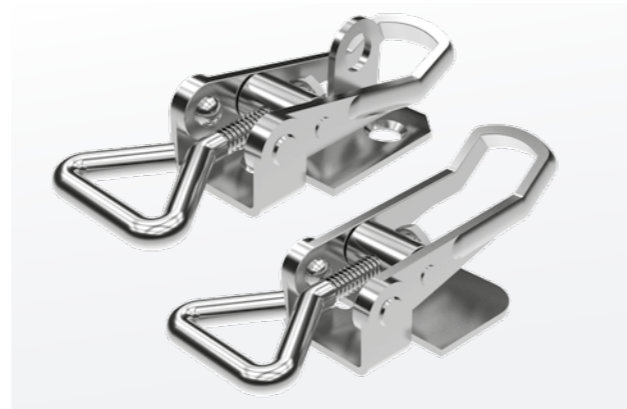
COMPRESSION LATCHES

With an adjustable grip range of 11–28 mm, Flush Compression Latch Sealed suits doors with a thickness of up to 7 mm. The latch is available with keyed to differ or keyed alike cylinders. If you choose the CH751 cylinder, you can have the same key code for this latch and the Vector latches, such as Vector T1, T2 and T3. This means you can use the same key to open all latches on your vehicle.



TOGGLE LATCHES

This Pull-down Catch Cylinder Locking with disc tumbler lock that is supplied complete with two keys and one striker. The key rotates 90°.



SEALING PROFILES AND EDGE PROTECTIONS

Sealing profiles are used to keep water and dirt away, while edge protections reduce the risk of cutting yourself on sharp edges. All Industrilas EPDM profiles are fire proof according to UL94HB. If desired, we can offer profiles in materials that have even higher fire proof classifications.



HINGES

Industrilas offers a wide variety of hinges for the transportation sector. All are chock and vibration tested, with many versions in stainless steel. We also offer a multitude of hinges for applications that require a lesser amount of strength.





PASSIONATE ABOUT FINDING SOLUTIONS

Industrilas develops, designs and manufactures access solutions for all kinds of industrial applications. Our main drive is a never-ending curiosity about our customers and their business. We are passionate about finding solutions that will enhance the performance of our customers' products and their business.

Since every customer has specific needs and preferences, it is important for us to get to know our customers. We openly welcome you into the Industrilas family, and together we will find the best possible solution to the challenges you are facing. Sometimes this means a well-proven standard solution and at other times it means the innovation of something the world has never seen.

Industrilås is a Swedish company, founded in 1981. Over the course of 40 years we have grown from a one-person startup to become one of the world's leading suppliers of access solutions. Today, we are present in more than 40 countries and have manufacturing sites in Europe, Asia and Central America. The group's head office is in Nässjö, Sweden.

industrilas.com