

FOR THE LONG RUN

Access solutions for trains



Industrilås
— When access counts —

STEADFAST, SOLID AND RELIABLE

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 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.

SERVING THE SECTOR FOR DECADES

Industrilas has been developing and manufacturing access solutions for over 40 years. All with total control over the production chain, from design and manufacturing to final surface treatments and assembly.

We have a presence in more than 40 countries and have manufacturing sites in Europe, Asia and Central America. Our headquarters are located in Nässjö, Sweden.

Industrilas – when access counts

INDUSTRILÅS IN BRIEF

- × Founded in 1981
- × Application experts
- × 4,500+ active customers
- × Delivering to 72 countries on 6 continents
- × Manufacturing on 3 continents
- × In-house R&D and Design Department
- × 1,800 tools in production
- × 100+ new tools every year
- × 20,000 active products and components
- × 800+ metric tons of zinc used per year
- × Production space increased by 38% 2023

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FOR EVERY HATCH AND DOOR

The main objectives for latching solutions are to ensure safety, to guarantee functionality of the enclosure and to provide the same smooth operation every time you use it.

A train has many exterior and interior doors and hatches that need to be securely closed when in motion. Besides a sufficient latching mechanism, solutions need to be vibration resistant and externally also resistant to rain, snow, ice, dust and mud.

Industralas offers standard and customized solutions that live up to the requirements set by the railway industry, such as DIN EN 61373 for vibration resistance, IP66 for weatherproof sealing and DIN EN 45545-2 for fire protection.

Benefits include:

- × Clever flush-mounted design
- × Sophisticated look and feel
- × Exceptional ease of use
- × No buzz, squak or rattle
- × Fast and easy to install
- × Robust and lightweight material
- × Wide array of insert choices





QUARTER-TURN COMPRESSION LATCHES

The range and possible adaptations of quarter-turns are endless, making them the perfect fit for trains. Industrilas offers 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.

Depending on your needs you can have quarter-turns with a spring-loaded bracket that prevents the locked cam from moving, trapezoidal thread that provides a tight engagement in applications with high pressure, an extended collar for extra thick panels, tactile feedback, and flush mounting from the front or backside of the panel.

When you have found the quarter-turn of your liking, you can adjust it to accommodate your requirements, simply by combining your choices of housing, nut, insert, surface treatment and cam.

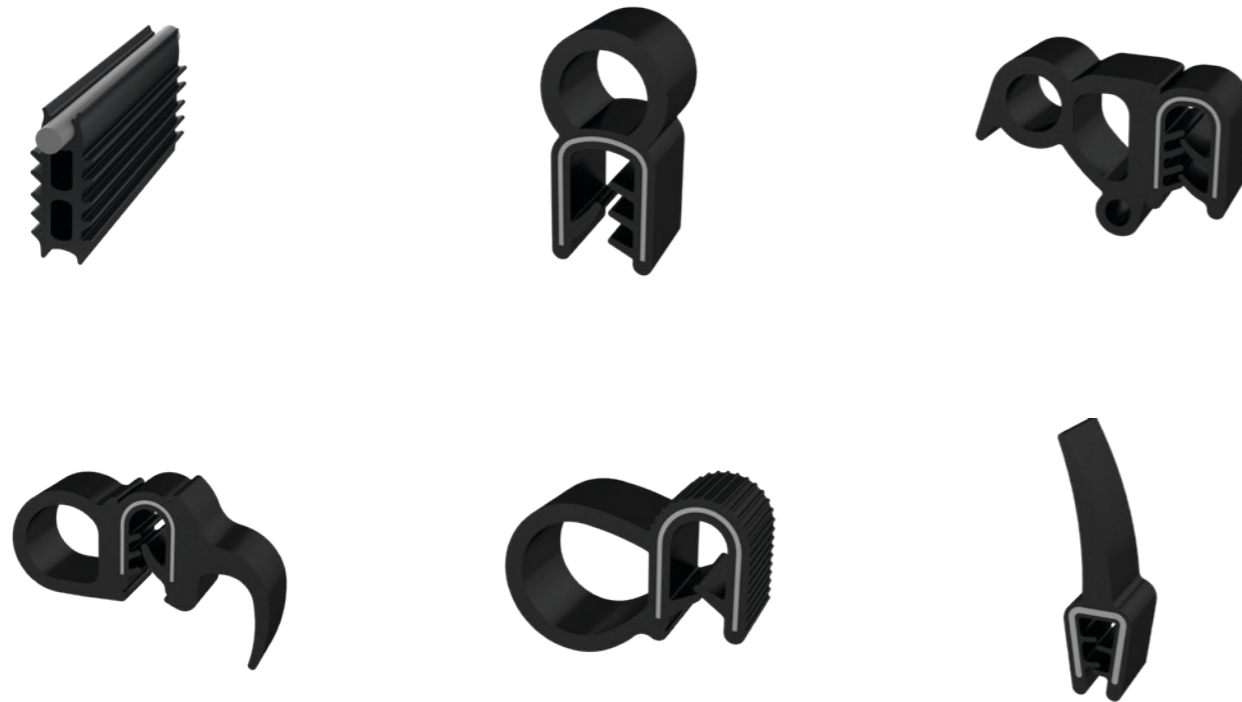


SEALING PROFILES

Choosing the right profile is vital for achieving correct sealing and compression. Profiles are available in many shapes, sizes and materials, and we are sure we have one that lives up to your needs and requirements. If requested, we can cut profiles in fixed lengths to fit your applications. We can also offer profile frames with glued or vulcanized corners, ready to be installed on your door or door frame.

All Industrilas EPDM clip-on profiles are certified according to UL94HB and can be delivered with fire resistance classification according to DIN EN 45545-2. We also offer profiles with a graphite core that expands in case of fire. This seals the compartment and stops smoke from spreading.

To improve sealing qualities even further, profiles can be delivered with injected butyl foam. A slip-coat treatment that reduces friction also extends the life of the profile.





HINGES

Industrilas offers a wide variety of hinges for the railway sector, with many in stainless steel. Depending on your needs, you can choose hinges that are shock and vibration tested, or simpler ones that are not. We also offer a multitude of hinges for applications that require a lesser amount of strength.

We have a vast experience of designing and manufacturing customized articulating and special hinges. So, if your application has specific requirements, do not hesitate to contact us.

Hinges that are suitable for railway purposes include:

- × Concealed
- × Continuous
- × Friction
- × External
- × Heavy-duty
- × Weld-on



MULTIPOINT LATCHING SYSTEMS

Industrilas Vision™ is a versatile family of multipoint access solutions, designed for all types of electrical enclosures. It is widely used for applications in Power Generation, Power Distribution, IT, Telecom and Railway. The elegant appearance and vast number of functional properties offers nearly endless possibilities.

Vision is designed to withstand seismic activity, electromagnetic interference and all types of weather conditions, such as heat, cold, rain, snow and lightning. Vision is certified according to IP standards and GR-487.

The solutions can be installed inside or outside the sealed area and when you combine the system with Industrilas hinges and sealing profiles, you get a durable, secure solution that will be a joy to operate for many years to come.

The Vision family consists of a multitude of swing handles, lift handles, latch points, cams, rods, rod guides and roller cams.





VECTOR FLUSH COMPRESSION LATCHES

Industralas Vector™ saw the light of day more than twenty years ago, with the birth of the first Vector T-handle. Since then, it has set the standard for heavy-duty access solutions.

Developed in partnership with industry leaders, all Vector products are high-quality, durable and reliable. They are vibration-resistant according to DIN EN 61373 and the gasket compression ensures superior sealing that keeps water, snow, ice and dirt at bay.

Vector latches and handles are stylish and offer exceptional ease of use. They are robust and will not buzz, squeak or rattle – even though they are made from lightweight material. Vector T3 is available with a central locking function and finally, the smart design of all Vector products makes installation fast and easy, saving time for our customers.



DELIVERING ACCESS EXCELLENCE

At Industrilas, we have every step in the production chain in-house, from design and the casting of metal – to the finishing touches. This gives customers a direct, hands-on connection to the actual development of their access solutions.

Industrilas manufacturing includes:

- × Design and Construction Department
- × Mechatronic R&D
- × Supply and purchasing
- × Quality Department
- × Tool Department
- × Turning
- × Zinc Foundry
- × Injection Moulding and PUR Gasketing
- × Punching and Bending
- × Drilling and Threading
- × Powder Coating
- × Assembly
- × Warehouse

STANDARDS ARE IMPORTANT

To be seen as the most trustworthy partner in the business, year after year, we need to be reliable and genuine. To ensure continuity, our processes must meet quality standards, sustainability regulations and industry demands.

Industrilas holds an AAA rating, we follow the REACH and RoHS directives, and our quality management systems are certified to IATF 16949, ISO 9001 and ISO 14001.



A MORE SUSTAINABLE TOMORROW

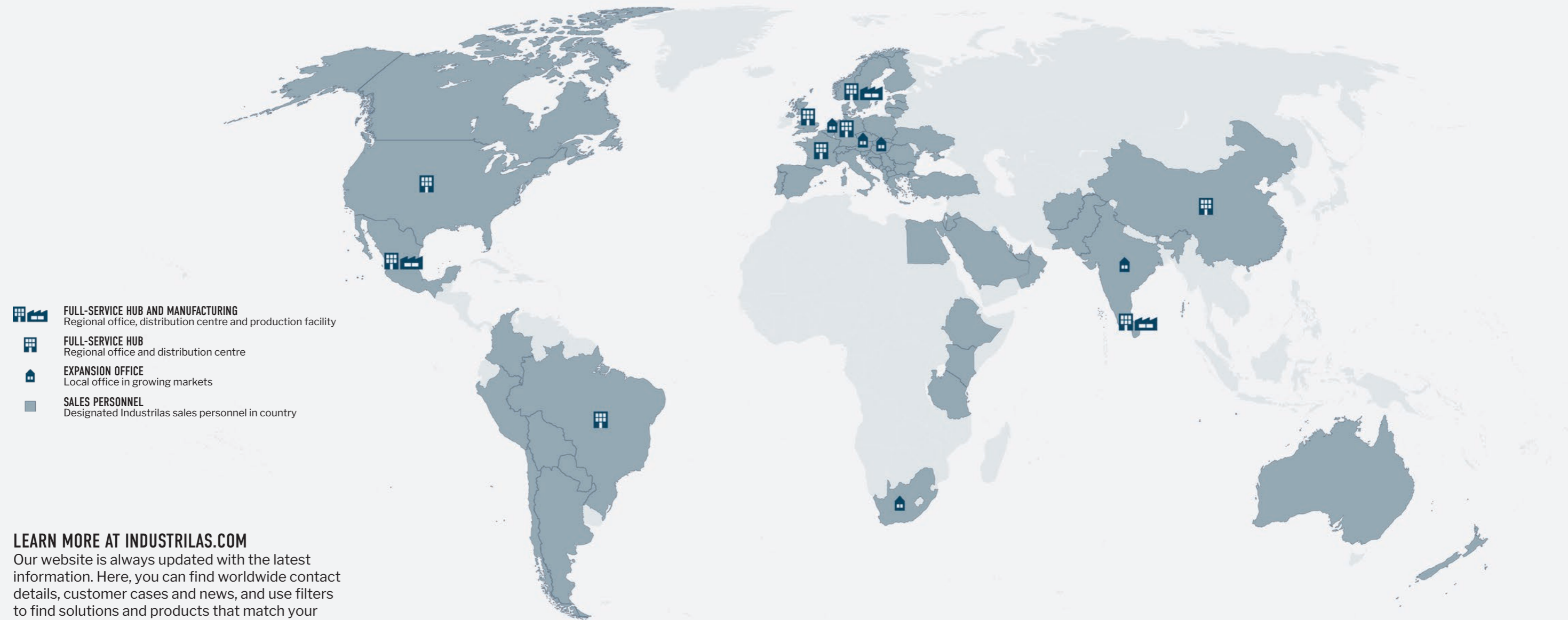
To lead by example, it is not enough to follow international standards and laws on sustainability. We have to improve every part of our business, from raw materials and production processes to energy sourcing and transport.

Industrilas has always challenged tradition and explored new ideas. The same approach will lead us to find sustainable solutions that will change the way people look at our industry. Solutions that will benefit us, our customers and the world. One step at a time, every day, towards a more sustainable tomorrow.



WORLDWIDE PRESENCE

Industralis is growing like never before and to service the world; strategic manufacturing, sustainable logistics and local presence are vital.



LEARN MORE AT [INDUSTRILAS.COM](https://www.industralis.com)

Our website is always updated with the latest information. Here, you can find worldwide contact details, customer cases and news, and use filters to find solutions and products that match your needs. Product pages include technical data, drawings and CAD-files.

When you register an account, you can set up your own list of favourite products and see your order history, among other things.

The website is currently available in seven languages.

FOLLOW US ON SOCIAL MEDIA

Industralis is very active in social media where we share and discuss company news and events, customer accomplishments, industry highlights and innovations. Follow us on LinkedIn and Facebook and join the community.

Today, we are represented in more than 40 countries and have manufacturing facilities on three continents: Europe, Central America and Asia. We have nine full-service hubs with distribution centres: Brazil, China, France, Germany, Great Britain, Mexico, Sri Lanka, Sweden, and USA. Our latest expansion offices were opened in Austria, Benelux, Hungary, India and South Africa.



WHEN ACCESS COUNTS

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.

Industrilas 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 headquarters are in Nässjö, Sweden.