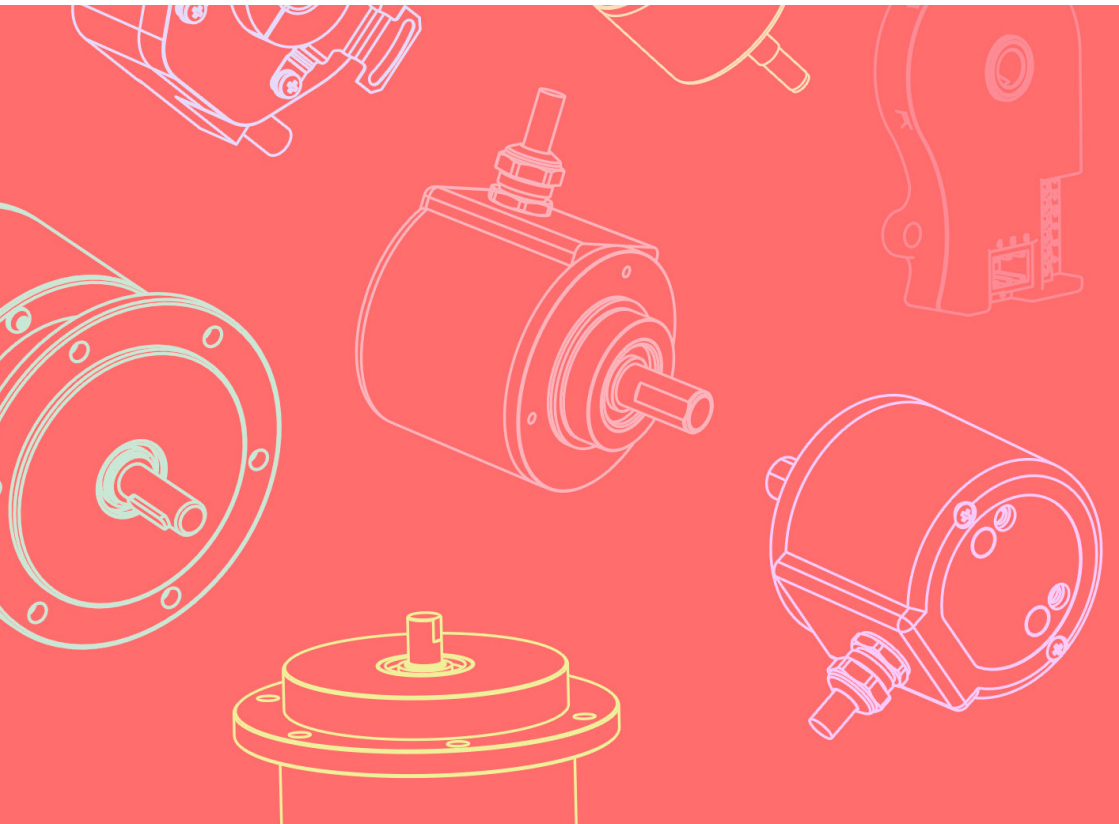


NEW 2024/2025

HOHNER AUTOMATION



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NEW

2024/2025

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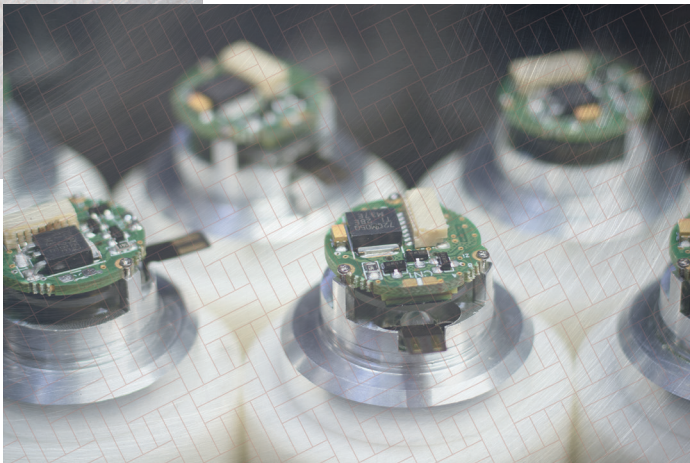
Hohner Automation

your encoder experts

At Hohner Automation, innovation meets precision in every custom solution we craft.

As a family-owned company with global reach, we specialize in the development of advanced encoders, linear measurement systems and rotary actuators, designed to address the unique challenges of industrial automation.

Headquartered in Breda, Spain, we pride ourselves on offering rapid turnaround times, exceptional technical support, and the highest standards of quality, enabling our customers to achieve superior performance in their applications.



Bearingless kit encoders

Where precision meets adaptability

At Hohner, we excel in creating flexible, high-quality solutions that meet the highest quality standards. Now, we expand our range of bearingless encoders with the new MRH, BME and E58KM series – compact, robust, and designed for seamless integration in countless industrial applications. Together with our trusted MR, MIE, and MIE48 series, these new models offer unmatched versatility, giving you the freedom to choose the perfect fit for any challenge.



Compact design

Easy integration with the engine



High durability

Wear-free magnetic detection



High mechanical robustness

High IP rating for demanding environments



Competitive costs

No motor modifications





MRH SERIES

- Incremental up to 4096 ppr
- Shaft from Ø 9 mm to 28 mm
- IP67 protection



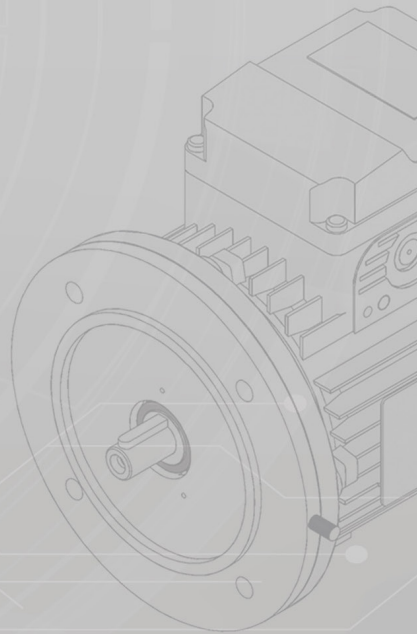
BME SERIES

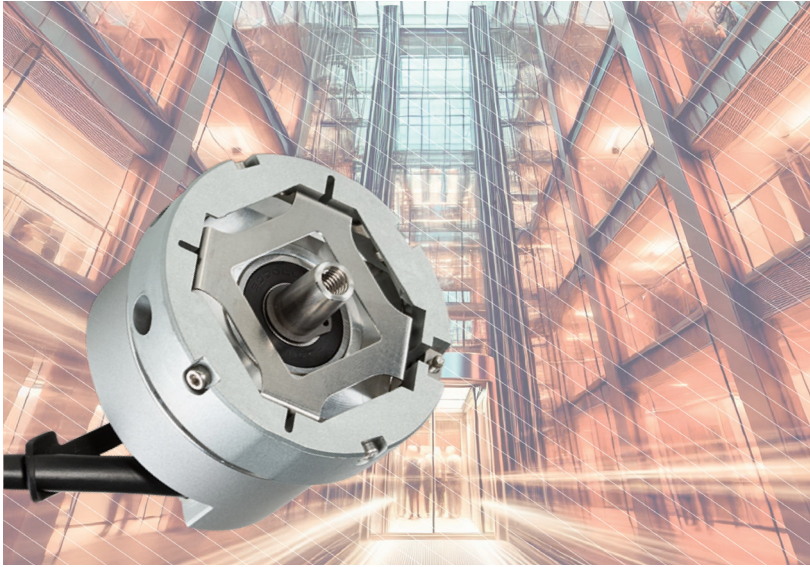
- Incremental up to 1024 ppr
- Absolute SSI / Analog
- IP65 protection



E58 KM SERIES

- Absolute SSI
- Multiturn up to 28 bits
- IP67 protection





New Generation SMRS64/S Series

Smaller size, greater performance

Hohner Automation presents the new **SMRS64** and **SMRS64S** encoders, designed specifically for **lift technology** applications where space is limited, but performance is critical.

These new versions offer a more compact design with advanced IC technology while improving flexibility, ensuring seamless integration with all types of gearless motors.



SSI
SSI + SinCos



BiSS-C
BiSS-C + SinCos



SinCos + SinCos





E-LIFT FD Series

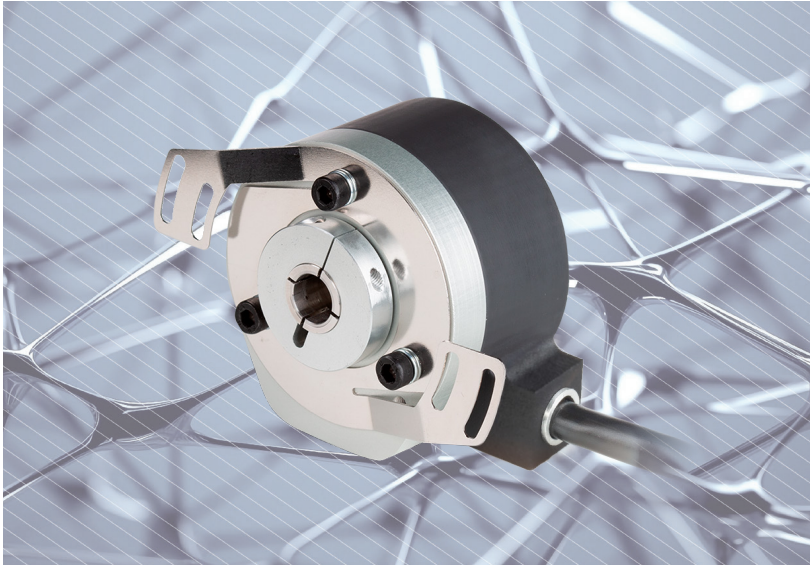
Full Digital Singleturn Encoder

Hohner Automation introduces the new **E-LIFT FD Full Digital Encoder**, a game-changing solution for motor feedback control. This singleturn encoder features **BiSS-C Full Digital communication** with up to **21-bit resolution**, providing superior accuracy and control.

Its **inductive technology** offers excellent resilience against dust, oil, and magnetic interference, ensuring reliable performance in challenging environments.

The **E-LIFT FD** encoder sets a new standard in applications like lift technology, combining high precision, robustness, and adaptability for the most demanding installations.





Q58TM SSI/BiSS Series

High precision in small dimensions

Introducing the new **Q58TM SSI/BiSS Series**, an innovative multiturn absolute and incremental hollow shaft encoder that stands out particularly because of its reduced overall depth of only **43 mm** with a through hollow shaft of up to **15 mm**. This compact and robust design makes it suitable for restricted mounting spaces, especially in geared motors, where precision is critical.

The Q58TM is available with either an **SSI or BiSS interface**, seamlessly combined with **SinCos incremental signals**. With a remarkable resolution of up to **21 bits singleturn and 21 bits multiturn**, this encoder delivers unparalleled accuracy and reliability, making it the ideal choice for a wide range of applications where space and performance are paramount.





XQ Series

High precision Draw Wire Sensors

Hohner Automation introduces the new **XQ Draw Wire Sensors**, designed for applications requiring precise linear measurements in demanding environments. Available with **SSI (XQ-SSI)** and other output options, the XQ Series delivers exceptional accuracy with 13 bits singleturn resolution and measurement ranges up to **2 meters**.

Thanks to their **compact design** and **integrated sensor**, these cable draw systems are ideal for tight spaces and challenging conditions. The robust construction, featuring single-layer cable winding and stable spring retraction, ensures reliable performance even in harsh environments, where dust and particles are common.

The **XQ Series** stands out for offering high precision alongside durability, making it the perfect solution for applications where both space and performance are critical.



Application R46 Series

For Industrial Doors

The **R46 Series** encoder is a multiturn absolute rotary encoder designed specifically for **roller shutters** and **high-speed industrial doors**. With its **easy-to-mount design**, it integrates seamlessly into rotary limit switches, offering a compact and efficient solution for space-restricted installations.

Featuring a **singleturn resolution of 4096 points per revolution** and a **32-turn multiturn version** without battery, the R46 Series ensures **precise and reliable position feedback**. This makes it the ideal choice for industrial doors that require accurate control of position, speed, and acceleration. Its **RS-485 communication protocol** ensures fast and secure data transmission, while the

optional **0-10V analog output** provides additional flexibility for integration into various control systems.

This encoder minimizes maintenance requirements, providing an **efficient and reliable interface** between the motor and the control system, optimizing door operation, and reducing downtime.

The R46 Series is the perfect solution for enhancing the performance and efficiency of **automated industrial doors**, offering **precision, robustness, and easy integration** in a wide range of industries.



Application E58K Series

Precision Encoders for Maritime Industries

Maritime applications, such as **yacht platform** elevation, require equipment that can withstand harsh conditions, including **constant exposure to water, humidity, and corrosive seawater**. In these environments, **reliable sealing** and **corrosion-resistant materials** are essential to prevent malfunction and ensure long-lasting performance.

The **E58K Series** encoder from Hohner Automation is the perfect solution for such demanding tasks. Equipped with **absolute SSI or BiSS output** and boasting **IP69K protection**, it guarantees full resistance to water ingress, even in **submerged conditions**. Its **seawater-resistant housing**, made from stainless

steel AISI316, ensures protection against corrosion and wear.

Designed for **long service life** and **extended maintenance intervals**, the E58K Series provides **precision** and **reliability**, minimizing service costs and ensuring seamless operation for critical maritime applications.



Application XTP Series

For Hydraulic Doors

The **XTENSION PRESSURE (XTP)** draw wire sensor from Hohner Automation offers an innovative solution for overcoming the limitations of traditional piston displacement sensors in **hydraulic cylinders**. Conventional sensors rely on **dynamic seals** that are subjected to extreme pressure and temperature changes, leading to wear over time.

The XTP sensor eliminates these issues by utilizing **paramagnetic materials** that completely isolate the sensor from the high-pressure interior of the cylinder. This **magnetic, non-contact system** allows the sensor to measure precise linear distances without being affected by the internal pressure, ensuring **reliability and durability**.

With **IP67 protection**, robust **AISI316 stainless steel components**, and the ability to measure distances up to **20 meters**, the XTP sensor is an ideal solution for **long hydraulic cylinders**. Its **flexible design** supports the use of two sensors, offering either **redundancy** or the ability to combine different sensor types (incremental and absolute), making it adaptable to a variety of applications. This results in a **long-lasting**, maintenance-free alternative for challenging environments.



Maximizing Encoder Lifespan

With the Right Coupling

Choosing the right coupling is essential to ensure the long-term performance and durability of your encoder. Incorrect coupling selection can lead to issues such as **misalignment, vibrations, and mechanical stress**, which can significantly reduce the lifespan of your system.

Key factors to consider when selecting a coupling include its ability to compensate for **radial, axial, and angular misalignment**, its torsional rigidity to maintain precise signal transmission, and its damping capacity to absorb vibrations and shocks, protecting the encoder from wear.



Pagu-flex

Additionally, the **speed rating** of the coupling must be matched to the application to avoid excessive strain.

Hohner Automation offers a wide range of couplings designed to meet the specific demands of different industrial applications. We have recently expanded this offering with two new models: the **OLDHAM-FLEX-CLAMP**, known for its improved torsional rigidity and alignment, and the **PAGU-FLEX GFP15**, made from stainless steel for enhanced durability in harsh environments. With this broad selection, Hohner ensures that you can find the ideal coupling to maximize encoder performance and longevity.



Oldham-flex-clamp





Hohner Manufacturing

Your Contract Manufacturing experts

Introducing **Hohner Manufacturing**, your trusted partner for **Contract Manufacturing** services. Whether you are an established machinery manufacturer looking to **reduce costs**, **scale production**, or improve **time-to-market**, or a startup seeking production capabilities without the overhead of setting up your own manufacturing, Hohner Manufacturing is here to help.

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Hohner Online Shop

Fast and reliable encoder replacements



Our **online spare parts shop** is the perfect solution for **replacement parts** for Hohner encoders. With over **4000 references** available, you can easily find the exact part you need.

- Check items in stock
- **Express Manufacturing** service: 24/48h
- Fast and easy ordering process

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