

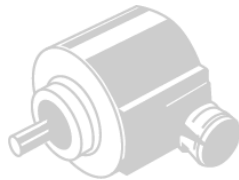


*your **encoder** experts*

COMPANY



PRODUCTS



APPLICATIONS



SERVICE





With more than **30 years of experience**, HOHNER AUTOMÁTICOS, the sole Spanish optical encoders manufacturer, from its headquarters based in Breda (near Barcelona), designs, manufactures, commercialize and supports its customers in the development of industrial automation projects.



## Innovation

It is our **adaptability**, coupled with our ethos of engineering, manufacturing excellence and quality concern, which has placed HOHNER AUTOMÁTICOS at the forefront of the best encoders manufacturers in the world.



## Flexibility

Our own departments of optical, mechanical and electronic manufacturing allow us to offer to our customers **free engineering services** with maximum efficacy and fast delivery time.



## Customized

HOHNER AUTOMÁTICOS offers the possibility to customize the encoder according to the customer needs and applications, even for small series or samples.

# TRADE SHOWS



**Hannover Expo**  
Hannover (Germany)



**SENSOR+TEST**  
Nürnberg (Germany)

**sps ipc drives**



**SPS IPC Drives**  
Nürnberg (Germany)



**Matelec**  
Madrid (Spain)



**Motek**  
Stuttgart (Germany)

**Hispack**  
**2015**

**Hispack**  
Barcelona (Spain)



**World Elevator & Escalator Expo**  
Shanghai (China)



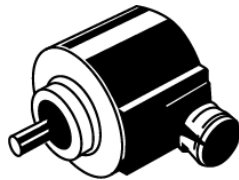
**International Machine**  
**Tool Biennial**  
Vizcaya (Spain)

COMPANY

**PRODUCTS**

APPLICATIONS

SERVICE



INCREMENTAL  
ENCODERS

ABSOLUTE  
ENCODERS

LINEAR  
MEASUREMENTS

MAGNETIC  
ENCODERS

OTHER  
SENSORS

ACCESORIES



## INCREMENTAL ENCODERS

Solid shaft (Ø 6 ... 12 mm)

Hollow and blind hollow shaft (Ø 4 ... 42 mm)

Conic shaft 1:10 / Thread shaft M8



## ABSOLUTE ENCODERS

Parallel

SSI

Analogue

Fieldbus

SmarSens



## LINEAR MEASUREMENTS

Extendible cable system

Magnetic system

Pinion and Rack system



## MAGNETIC ENCODERS



## OTHER SENSORS



## ACCESSORIES

## SERIE PR90

Ø 58 mm

## SERIE PR90H

Ø 58 mm

### PROGRAMMABLE USB

Without an additional  
programming box

Ø Shaft

6, 10 mm

**Connection**

Cable  
Industrial connector  
M12-8p / M23-12p

Ø Hollow shaft

10, 12, 14 mm



Programmable resolution up to 65.536 pulses per turn.



Direct USB cable connection without an additional programming box.



Multi-voltage 5...30V.  
HTL / TTL selectable output.



No need for the encoder to be powered up,  
just connected to the programming PC.



Connection indicator and error  
self-detection.

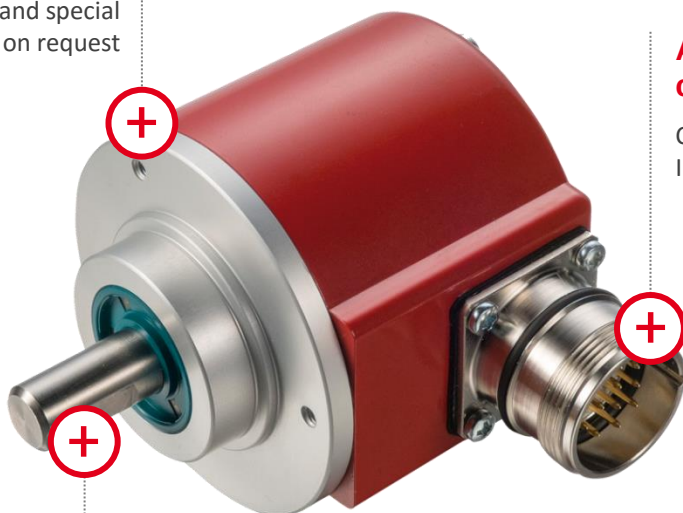


0° to 360°  
Reference signal position



## Flexibility

Mechanical executions,  
electronic and special  
optics forms, on request



## Axial or radial connection

Cable  
Industrial connector  
4p / Mil-7p / Mil-10p  
M12-8p / M23-12p

## Ø Shaft

from 6 to 12 mm  
Conic 1:10  
Thread M8



## SOLID SHAFT

Ø 58 & 90 mm



≤ 50.000  
pulses



Protection  
IP67



-40°C  
+80°C

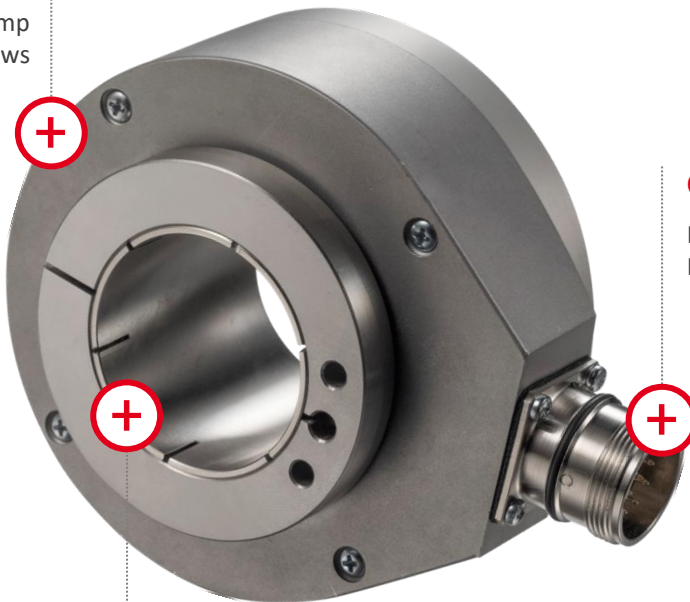
▮ SERIES 10 / 58 / 64 / 66 / 30  
SERIES 10I / 30I  
SERIES 11 / 20 / 21

~ SERIES 58S / 64S



**Shaft fixing**

Front and rear clamp  
or setscrews



**Ø Hollow shaft**

from 6 to 42 mm

**Connection**

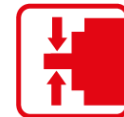
Radial cable  
Industrial connector  
*M12-8p / M23-12p*

**HOLLOW SHAFT**

**Ø 58, 77 & 100 mm**



≤ 50.000  
pulses



High shaft  
load capacity

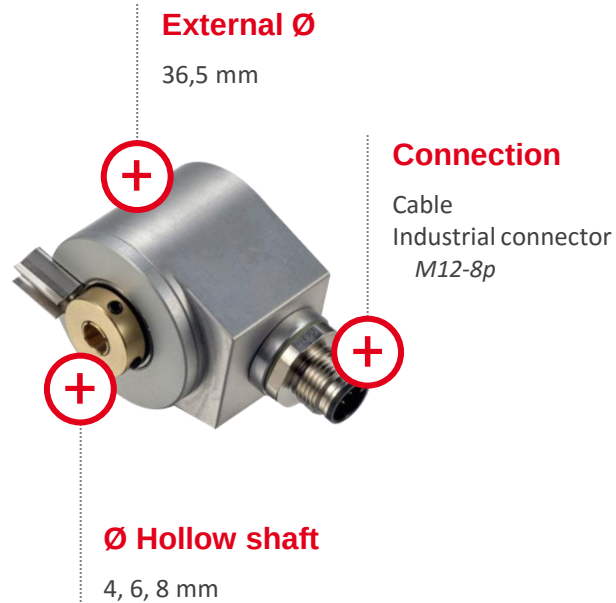


Protection  
IP65

 *SERIES 19 / 59 / 77 / 80*

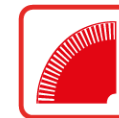
 *SERIE 59S*





## MINIATURE SERIES

Ø 24 & 36,5 mm

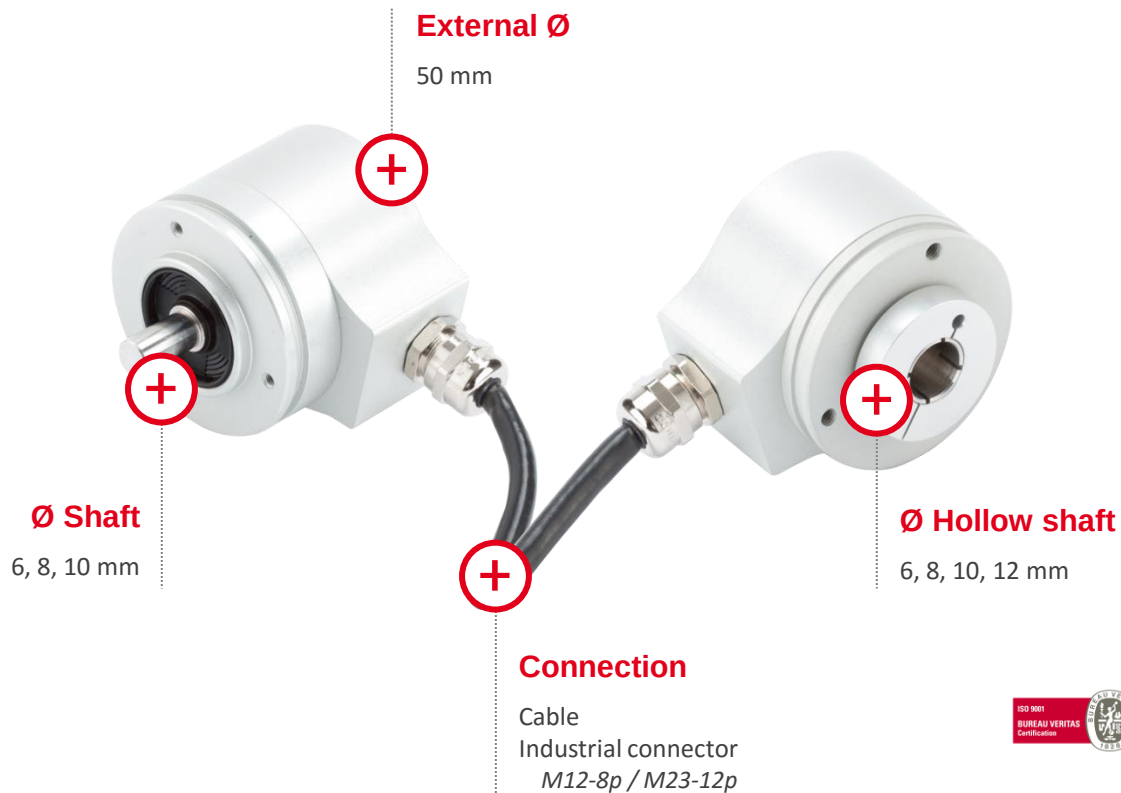


### Solid Shaft

▮ SERIES 26 / 27 / 28 / 36

### Hollow Shaft

▮ SERIE 22 / 22H / 28



## SERIE 50 / 50H

Ø 50 mm



≤ 5.000  
pulses



Robust and  
compact



-40°C  
+80°C

INCREMENTAL  
ENCODERS

**ABSOLUTE  
ENCODERS**

LINEAR  
MEASUREMENTS

MAGNETIC  
ENCODERS

OTHER  
SENSORS

ACCESORIES



Hohner Automatics has a complete range of absolute encoders, singleturn and multiturn, with different interfaces and different communication protocols.



PARALLEL



ANALOGUE



SSI



FIELDBUS



SMARSENS





### EXTENDIBLE CABLE SYSTEM

Enco-Meter EM4 (90.1404 – 90.1404 FX)

Enco-Meter EM8 (90.1808 – 90.1808 FX)

Enco-Meter EM10 (90.1810 – 90.1810 FX)



### MAGNETIC SYSTEM

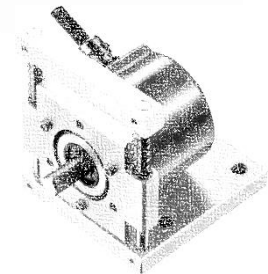
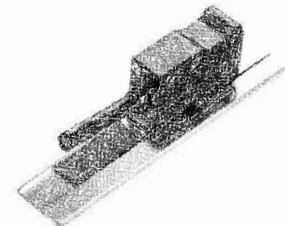
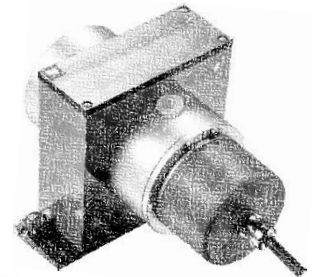
Magnetic sensor MSM

Magnetic sensor MSL

Magnetic sensor MSH

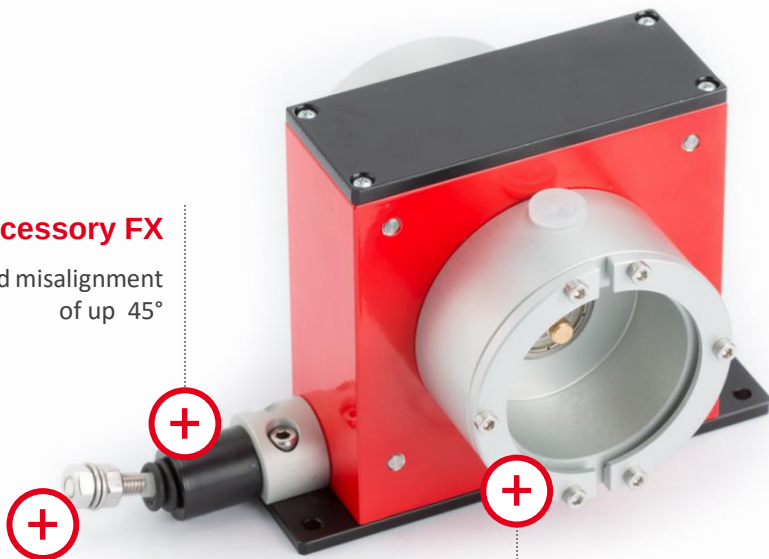


### MECHANICAL SYSTEM PINION AND RACK



### Accessory FX

Permitted misalignment  
of up to 45°



### By cable

Extendible cable measurement  
system up to 10 m

### Coupling to:

- + Optical incremental encoder
- + Multi-turn absolute optical encoder
- + Multi-turn absolute magnetic encoder
- + Potentiometer

## EXTENDIBLE CABLE SYSTEM

**EM4 / EM8 / EM10**



4/8/10 m



45°



Protection  
IP51

**Connection**

Cable

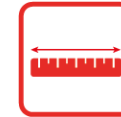


**Magnetic system**

Magnetic detection without contact

## MAGNETIC SYSTEM

**MSA / MSM / MSL / MSH**



4/8/10 m



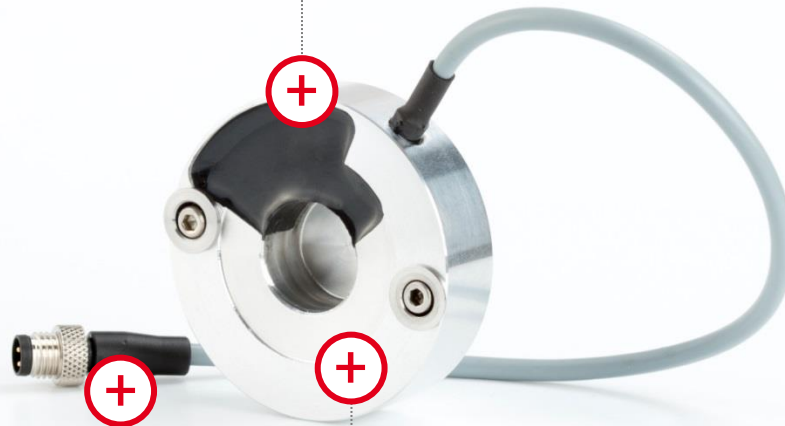
45°



Protection  
IP67

**Magnetic system**

Non-contacting measuring system



**Connection**

Cable  
Cable + Industrial  
connector M8 3p

**Ø Shaft**

15 mm (support of magnet)

**SERIE MIE**

Ø 54 mm



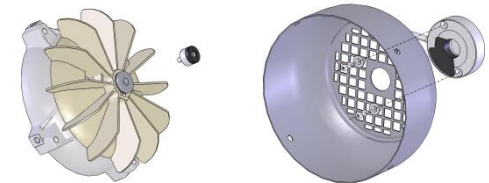
Magnetic



Incremental



Protection  
IP67





**Magnetic system**

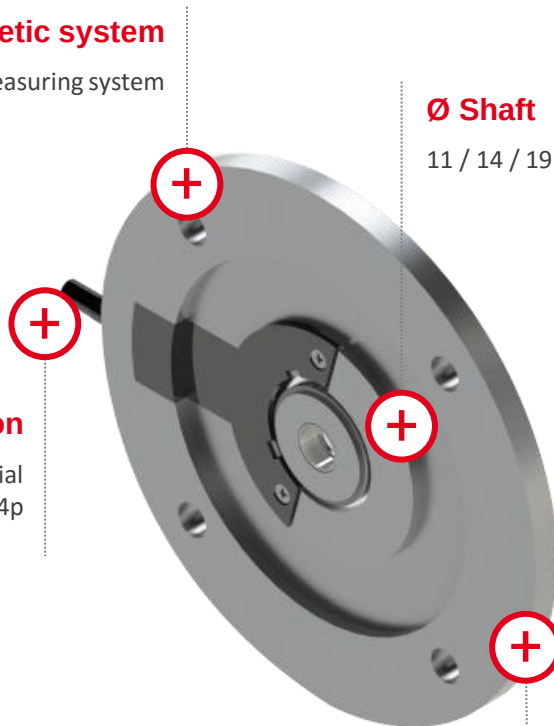
Non-contacting measuring system

**Ø Shaft**

11 / 14 / 19 mm

**Connection**

Cable + Industrial  
connector M12 4p



**External Ø**

105 / 120 / 140 / 160 mm

**SERIE MR**  
**Enclosed assembly**



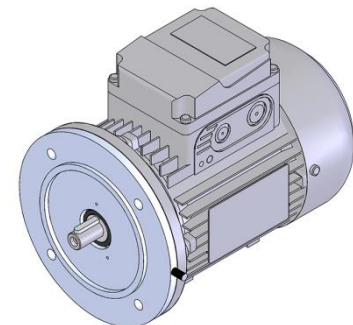
Magnetic



Incremental



Protection  
IP67



### Analog output

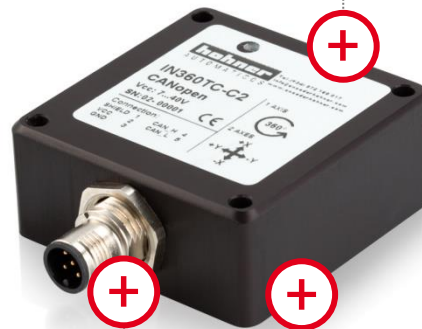
4...20 mA / 0,5...4,5 V



### Connection

Cable  
Industrial connector M12

### CANopen interface



### High accuracy

up to  $\pm 0.05^\circ$

### Options

Temperature compensation

## INCLINOMETERS

### IN360C / IN360A



Tilt control



1 axis  
(360°)



2 axes



Protection  
IP67



-40°C  
+85°C

**+** **ACCESSORIES**

Flexible couplings

Support angles

Flanges

Mounting bells

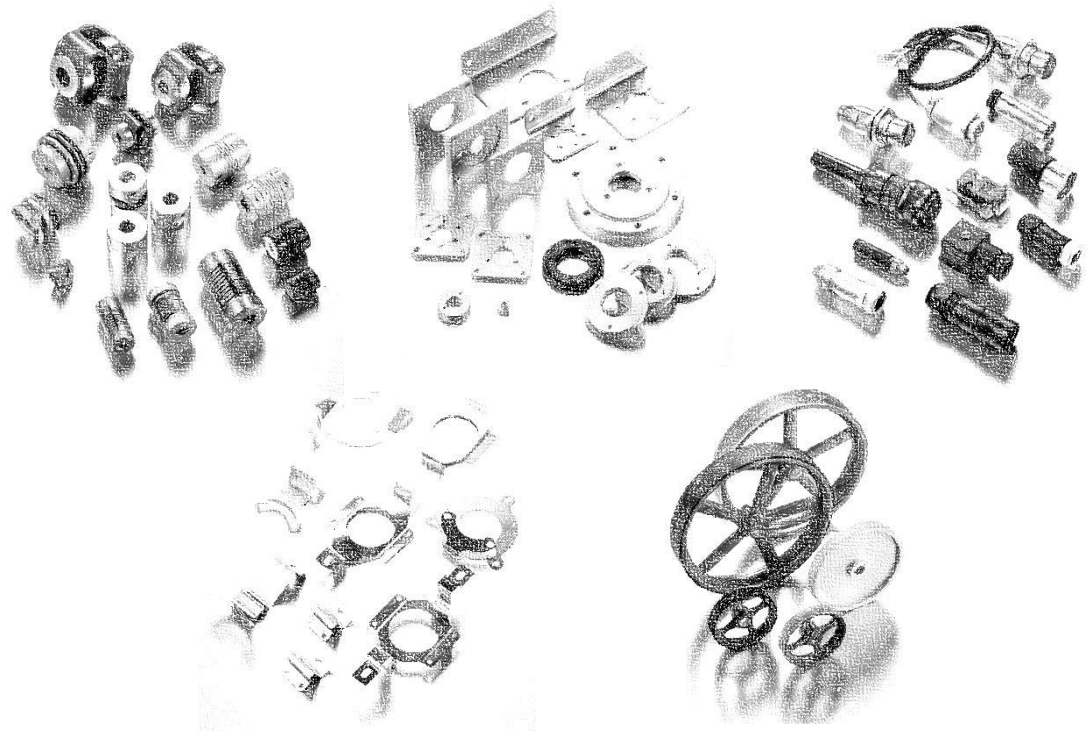
Connectors

Pre-assembled cables

Measuring wheels

Anti-rotation systems

We can offer you a complete range of accessories, so that you don't have to adapt your machine to our encoder... **this is our job!**

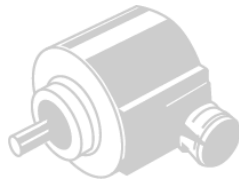


COMPANY

PRODUCTS

APPLICATIONS

SERVICE



# APPLICATIONS



LIFT TECHNOLOGY

MOTOR FEEDBACK

CRANES & HEAVY LIFTING EQUIPMENT

WIND ENERGY

SOLAR ENERGY

AUTOMATIC DOORS AND GATES

FOOD AND BEVERAGE INDUSTRY

PACKAGING

MEDICAL SECTOR

TEXTILE SECTOR

PAPER INDUSTRY

GRAPHIC ARTS

PRINTING

GUILLOTINES

STONE SECTOR

STEEL INDUSTRY

TRAINS & LOCOMOTIVES

DRIVE TECHNOLOGY

OIL & GAS

CHEMICAL INDUSTRY

AERO DEFENSE

MARINE / OFFSHORE

METAL INDUSTRY

ROLLING MILL

MATERIAL HANDLING

PICKING

HARSH ENVIRONMENTS

MINING

ROBOTIC

SPECIAL MACHINES

CNC

WOOD INDUSTRY

AUTOMATION



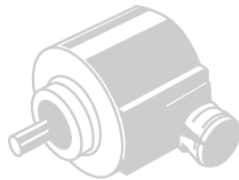
**AND MUCH MORE...**

COMPANY

PRODUCTS

APPLICATIONS

SERVICE





## OEM

Our main feature is our **flexibility**.

We offer tailor-made solutions for our customers,  
to achieve the best product at the best price.



## Support

We are not only manufacturers of encoders, we  
provide constant technical support.



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