



FAGOR AUTOMATION

ENCODER ANGULAR MODELO: H2AS-D200i100

ANGULAR ENCODER MODEL: H2AS-D200i100

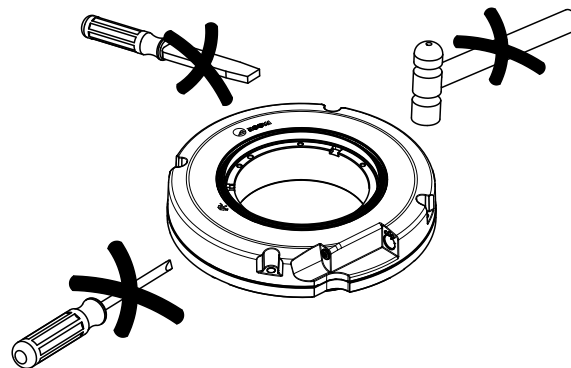
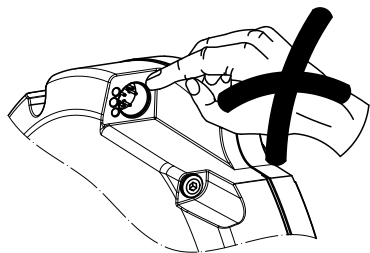
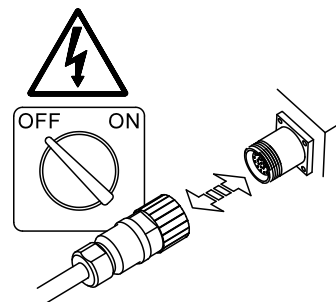
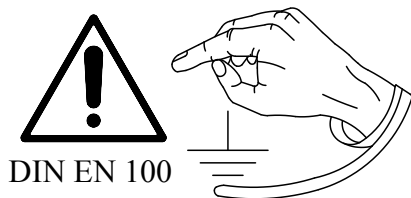
MANUAL DE INSTALACION / *INSTALLATION MANUAL*

Manual Code: 14460239

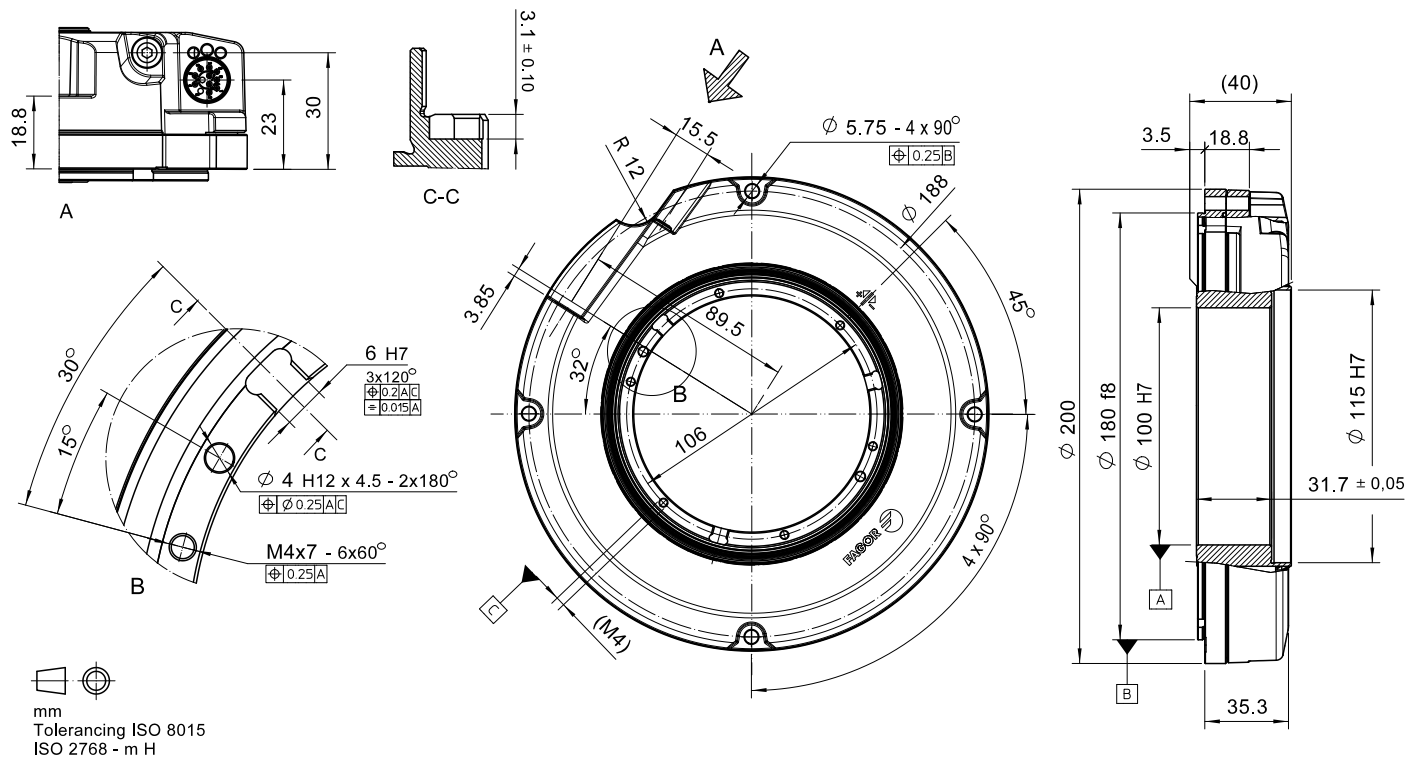
Manual Version: 2007



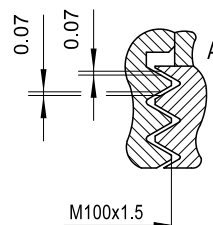
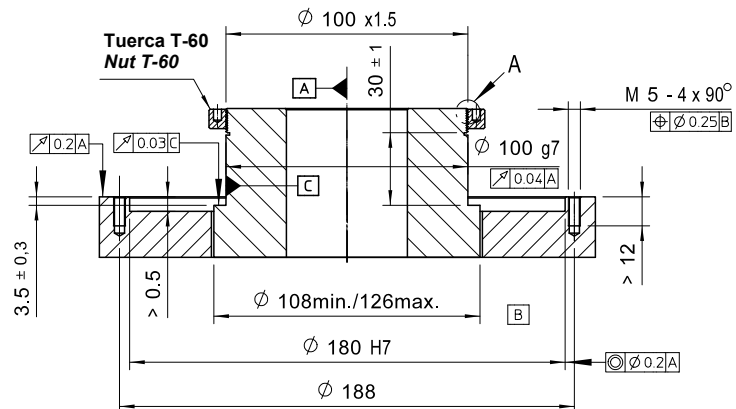
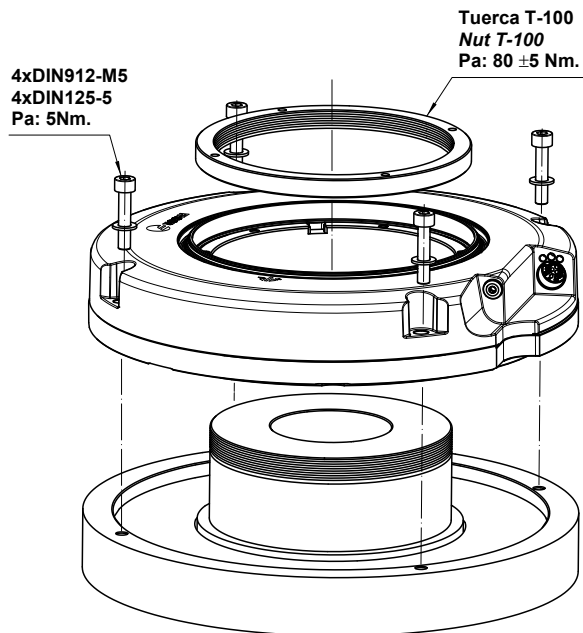
Precaución / Caution



Dimensiones / Dimensions

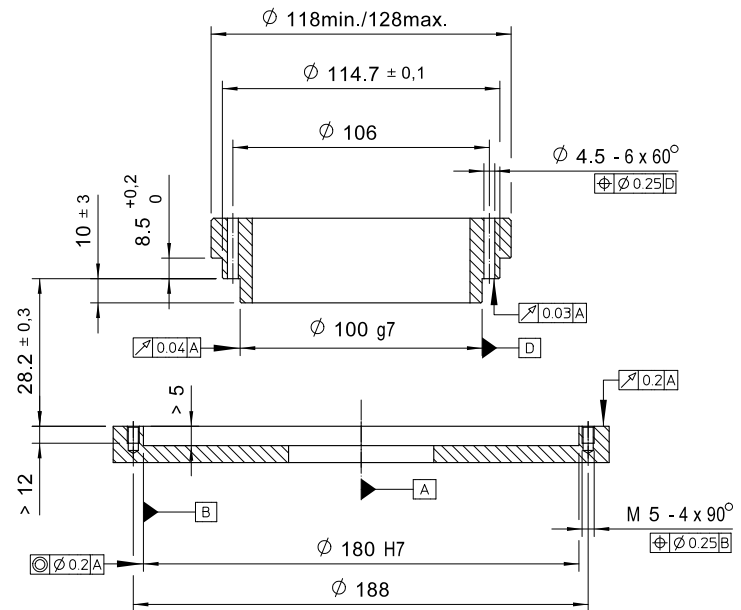
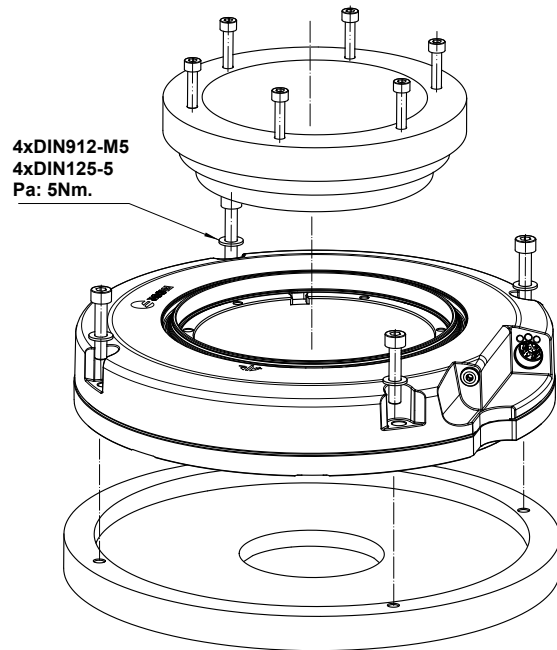


Posibilidades de montaje / *Mounting possibilities*



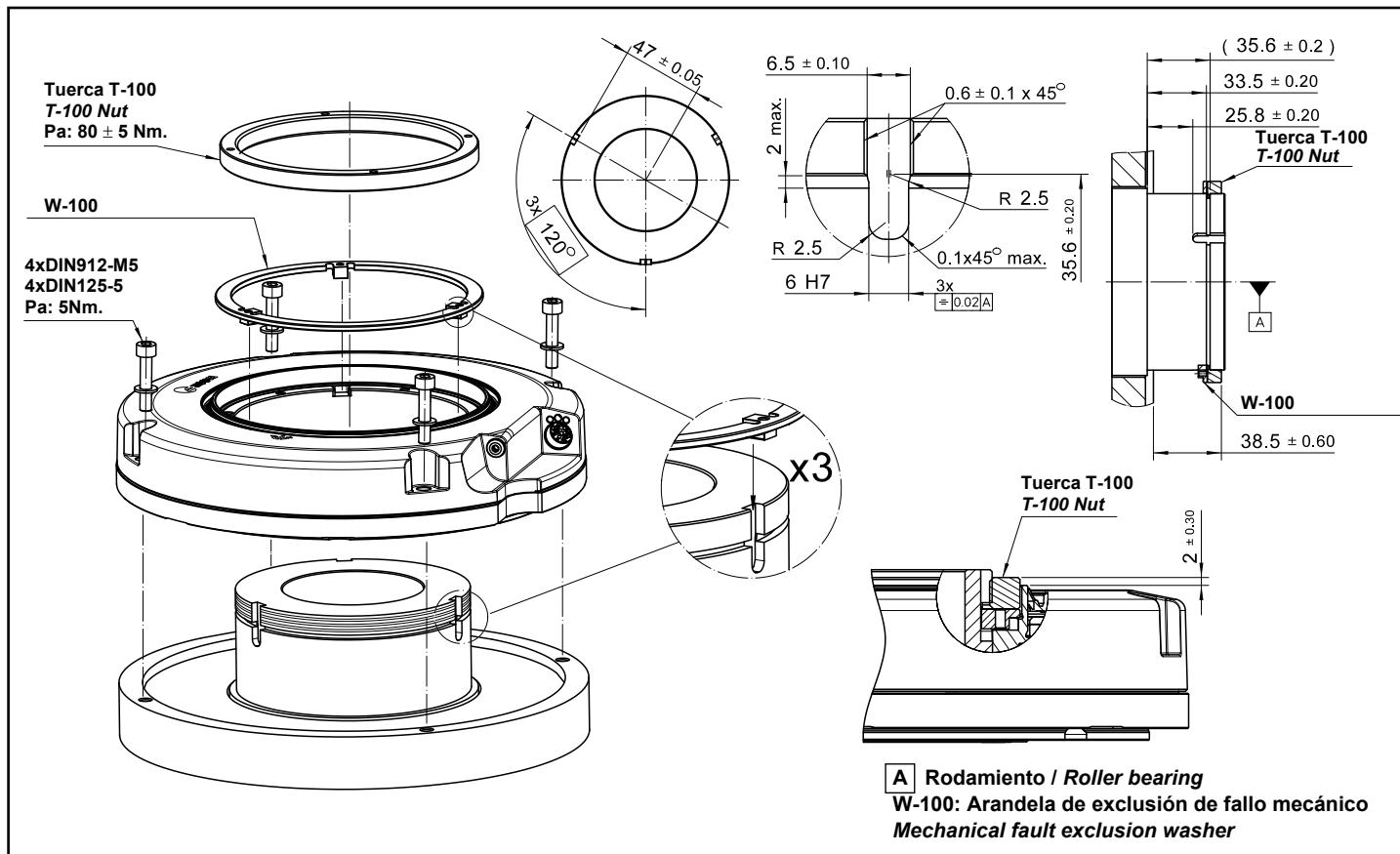
A Rodamiento / *Roller bearing*

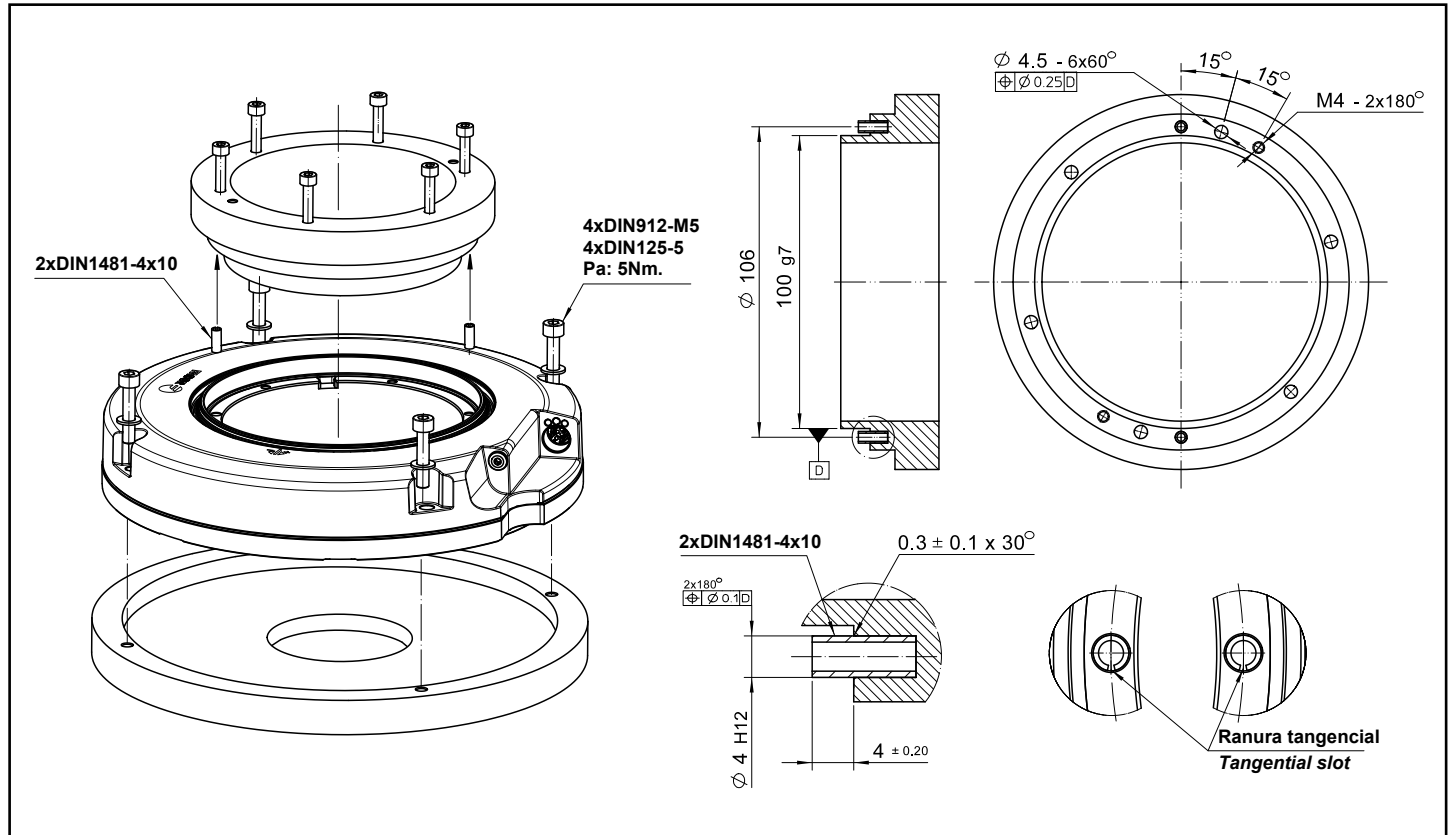
Pa = par de apriete / *tightening torque*



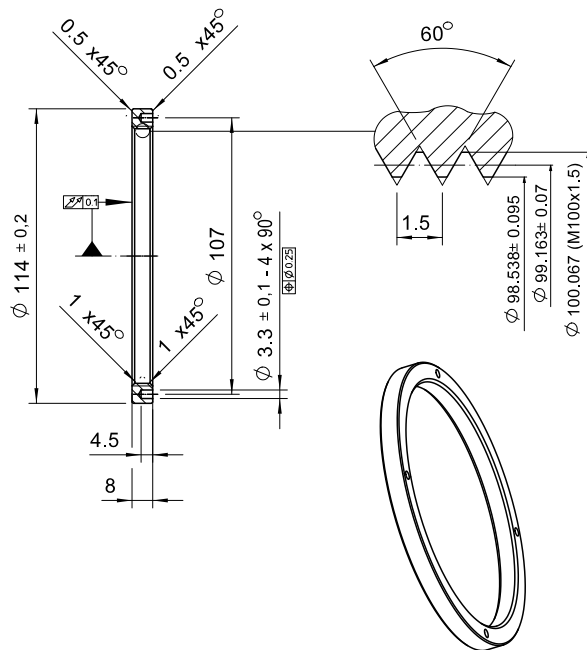
A Rodamiento / Roller bearing

Opción exclusión de fallo mecánico / Option mechanical fault exclusion

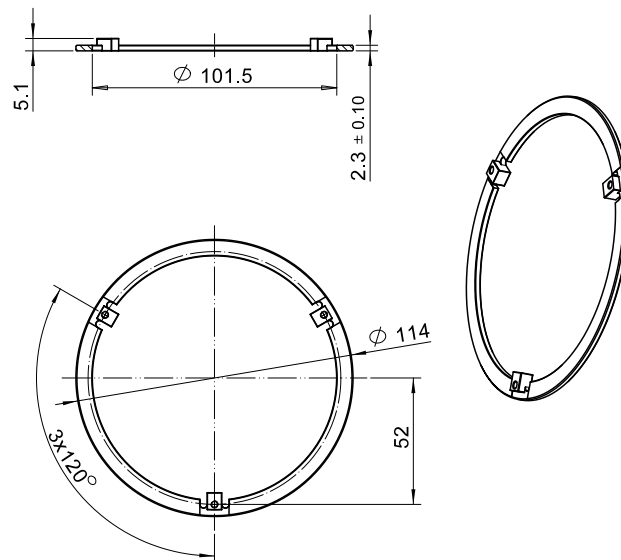




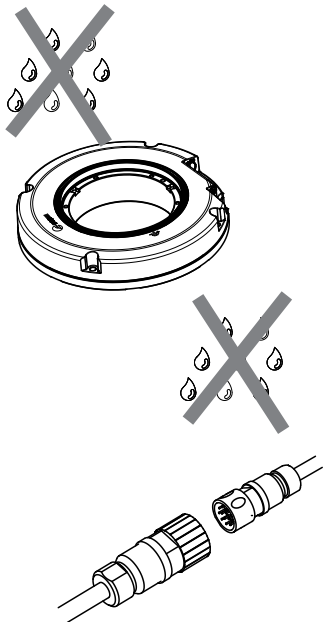
Tuerca T-100
T-100 Nut
Cod. 82620152



Arandela de exclusión de fallo mecánico W-100
W-100 Mechanical fault exclusion washer
Cod. 82620157

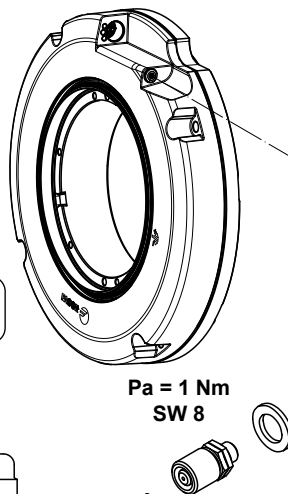
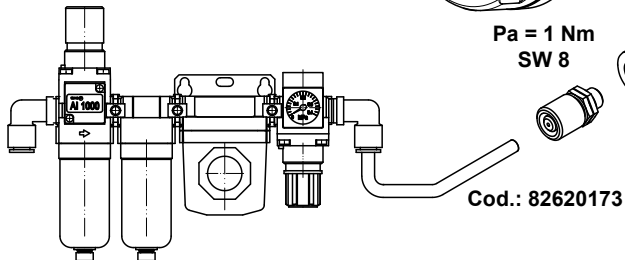


Máximo grado de protección IP 64
Maximum IP Code IP 64



Para grado de protección > IP 64
For IP Code > IP 64

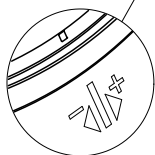
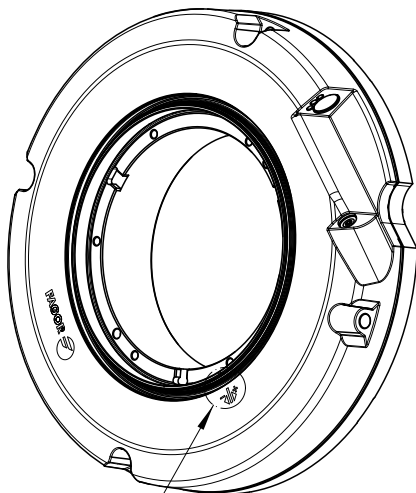
Unidades de Filtro de Aire Fagor
Fagor Air Filter Units



Para > IP 64
For > IP 64

1 bar / 14.5 psi / 0.1 MPa
10 l/min
Calidad aire: clase 1.4.1.
Air quality: class 1.4.1.
ISO 8573-1

(SW) Tamaño de la llave hexagonal / Size of Allen wrench



$\pm 5^\circ$

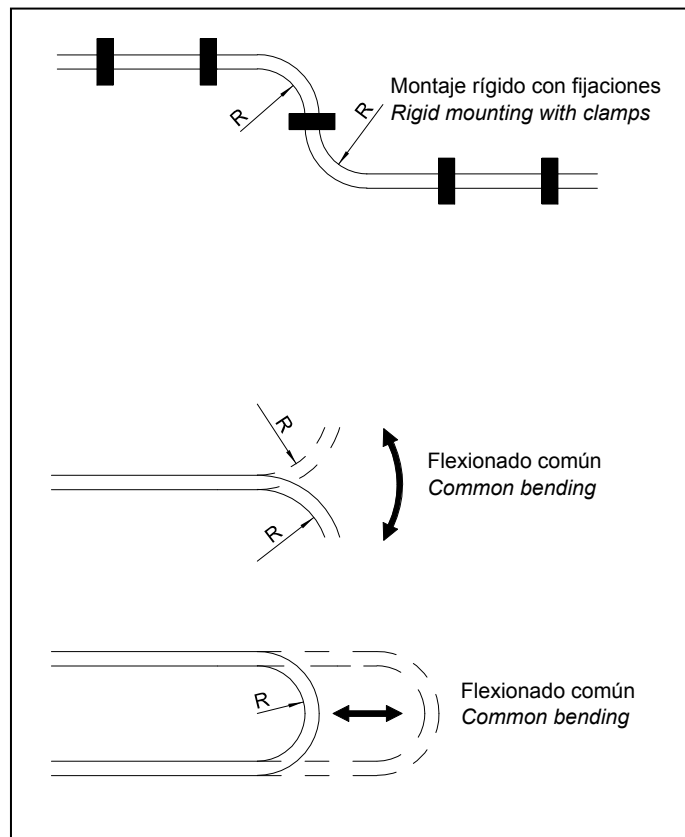
Para instalar el encoder en la posición 0° girar el eje hasta alinear los puntos marcados en el eje y cuerpo.

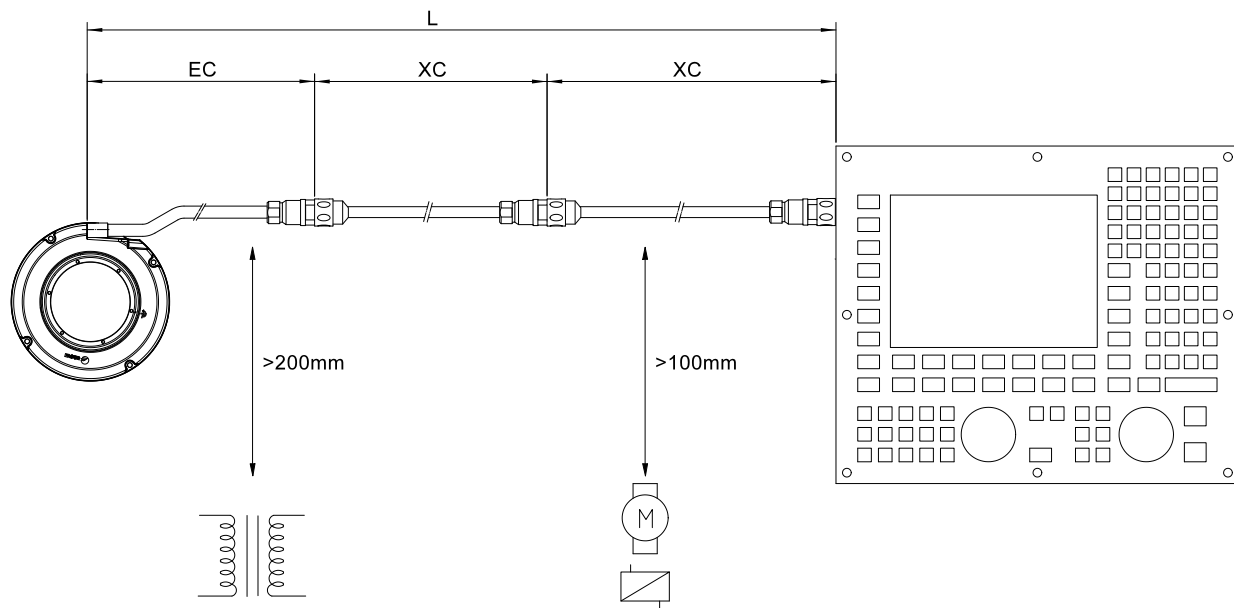
For installing the encoder on the 0° position turn the shaft and align the marks on the shaft and body.

Sentido de conteaje
Counting direction

Características eléctricas / *Electrical characteristics*

H2AS-27-D200i100		
Alimentación / <i>Power supply</i>	5 V (3.6...5.25), 250 mA	
Resolución / Número posiciones por vuelta	27 bits (134 217 728)	
<i>Resolution / Number of positions per turn</i>	1 Vpp: 32 768	
Longitud del cable / <i>Cable length</i>	100 m / 328 ft	
Número de bits / <i>Number of bits</i>	27	
Tipo de datos / <i>Data type</i>	Gray	
Paridad / <i>Parity</i>	Impar / <i>Odd</i>	
Timeout	450 µs	
Radio de curvatura / <i>Bending radius</i>		
	Rígido / <i>Rigid</i>	Flexible
Φ 6 mm	> 24 mm	> 60 mm
Φ 10 mm (con protección) / <i>(with protection)</i>	> 35 mm	> 60 mm
Φ 8 mm	> 50 mm	> 64 mm





Cables para conexión de encoders absolutos Fagor a sistemas Siemens

Cables for connection of Fagor absolute encoders to Siemens systems

Sistemas Siemens SMC 20 / Siemens SMC 20 systems

Conexión directa Cable EC / Direct connection EC cable

EC-B-S1 Longitud / length = 1, 3, 6, 9 m

Conexión con alargadera Connection with extension cable	$(4 \times 2 \times 0.14 \text{ mm}^2 + 4 \times 0.5 \text{ mm}^2 + (4 \times 0.14 \text{ mm}^2))$		
Cable EC	Alargadera intermedia opcional XCint Intermediate extension cable optional XCint	Alargadera XC / Extension cable XC	
EC-B-C9 Longitud / length = 1, 3 m	XC-C8-F-C9 Longitud / length = 5, 10, 15, 20, 25 m	XC-C8-F-S1 Longitud / length = 5, 10, 15, 20, 25 m	

Sistemas Siemens SME 25 / Siemens SME 25 systems

Conexión directa Cable EC / Direct connection EC cable

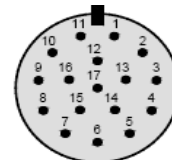
EC-B-C9 Longitud / length = 1, 3, 6, 9 m

Conexión con alargadera Connection with extension cable	$(4 \times 2 \times 0.14 \text{ mm}^2 + 4 \times 0.5 \text{ mm}^2 + (4 \times 0.14 \text{ mm}^2))$		
Cable EC	Alargadera intermedia opcional XCint Intermediate extension cable optional XCint	Alargadera XC / Extension cable XC	
EC-B-C9 Longitud / length = 1, 3 m	XC-C8-F-C9 Longitud / length = 5, 10, 15, 20, 25 m	XC-C8-F-C9 Longitud / length = 5, 10, 15, 20, 25 m	

EC -...B - C9	Conector circular 17 macho / 17-pin male round connector													
PIN	15	16	12	13	14	17	8	9	7	1	10	4	11	Carcasa/Housing
SEÑAL / SIGNAL	A	/A	B	/B	DATA	/DATA	REQ	/REQ	+5V	+5V sensor	0V	0V sensor	Tierra/Ground	Tierra/Ground
COLOR	Verde Green	Amarillo Yellow	Azul Blue	Rojo Red	Gris Grey	Rosa Pink	Negro Black	Violeta Purple	Marrón Brown	Verde claro Light green	Blanco White	Naranja Orange	Malla Interna Internal shield	Malla externa External shield



EC-...B - C9



Condiciones de garantía / *Warranty terms*

Las condiciones de garantía de este producto están disponibles en la zona de descargas del sitio web corporativo de FAGOR.

<http://www.fagorautomation.com>. (Tipo de fichero: Condiciones generales de venta-Garantía).

The warranty conditions for this product are available in the downloads section of FAGOR's corporate website at <http://www.fagorautomation.com>.

(Type of file: General Terms and Conditions of Purchase - Warranty).

Declaración de conformidad / *Declaration of conformity*

La declaración de conformidad de este producto está disponible en la zona de descargas del sitio web corporativo de FAGOR.

<http://www.fagorautomation.com>. (Tipo de fichero: Declaración de conformidad).

The declaration of conformity for this product is available in the downloads section of FAGOR'S corporate website at <http://www.fagorautomation.com>.

(Type of file: Declaration of conformity).

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