



Industrial Encoders  
Direct Ltd

# 110HA Series

## Large Bore Hollow Shaft Encoder

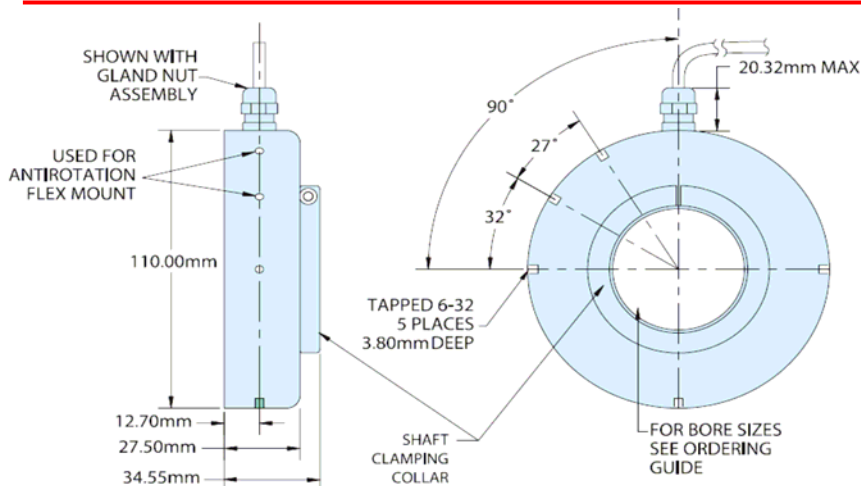


### Features

- Very Slim Profile
- 100 Degrees Centigrate capability
- Opto-ASIC Technology
- Many Resolutions Available
- Up to 43mm bore (Metric) & Up to 1.875" (Imperial)

The 110HA encoder is designed to fit directly on large motor shafts, or any shaft where position, direction, or velocity information is needed. The advanced Opto-ASIC electronics provides superior performance and high noise immunity necessary in many industrial applications. The encoder features a simple clamp mount for easy mounting over a large range of shaft sizes, whilst the innovative anti-rotation flex mount maintains housing stability.

### COMMON APPLICATIONS: Motor Feedback - Velocity & Position Control - Material Handling



### Resolutions Available:

60  
100  
120  
240  
250  
256  
500  
512  
600  
1000  
1024  
2048  
2500  
4096

### SPECIFICATIONS

<b>Body:</b>	<b>Protection:</b>
Precision Machined	IP50
Aluminium	<b>User Shaft Allowable Radial Runout:</b>
<b>Cover:</b>	0.15mm Total Indicated Reading (TIR)
Precision Machined	<b>Operating Temperature:</b>
Aluminium	0 to +100°C
(Powder Coated)	(higher on request)
<b>Shaft:</b>	<b>Storage Temperature:</b>
Aluminium (Anodized)	-20 to +100°C
<b>Bearings:</b>	<b>Maximum Speed:</b>
Shielded Ball Race	6000 RPM
<b>Cable:</b> Screened	

### Vibration:

10g @ 58 to 500Hz

### Shock:

50g @ 11ms duration

### Humidity:

98% RH (non-condensing)

### Shaft Loading:

Flexible Mount (as supplied)

### Cable:

Screened, oil and salt water proof

### Impulse Frequency:

200KHz (Max)

### Current Consumption:

100mA (Maximum - without load)

### Noise Immunity:

BS EN61000-4-2; IEC801-3; BSEN61000-4-4; DDENV 50141; DDENV 50204; BS EN55022; BS EN61000-6-2; BS EN50081-2

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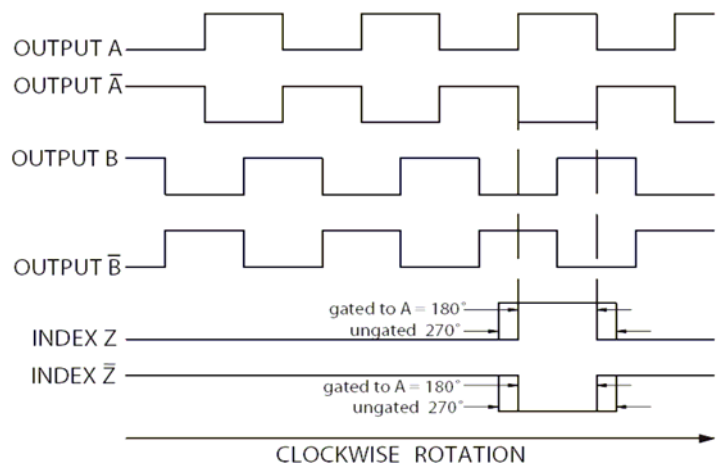
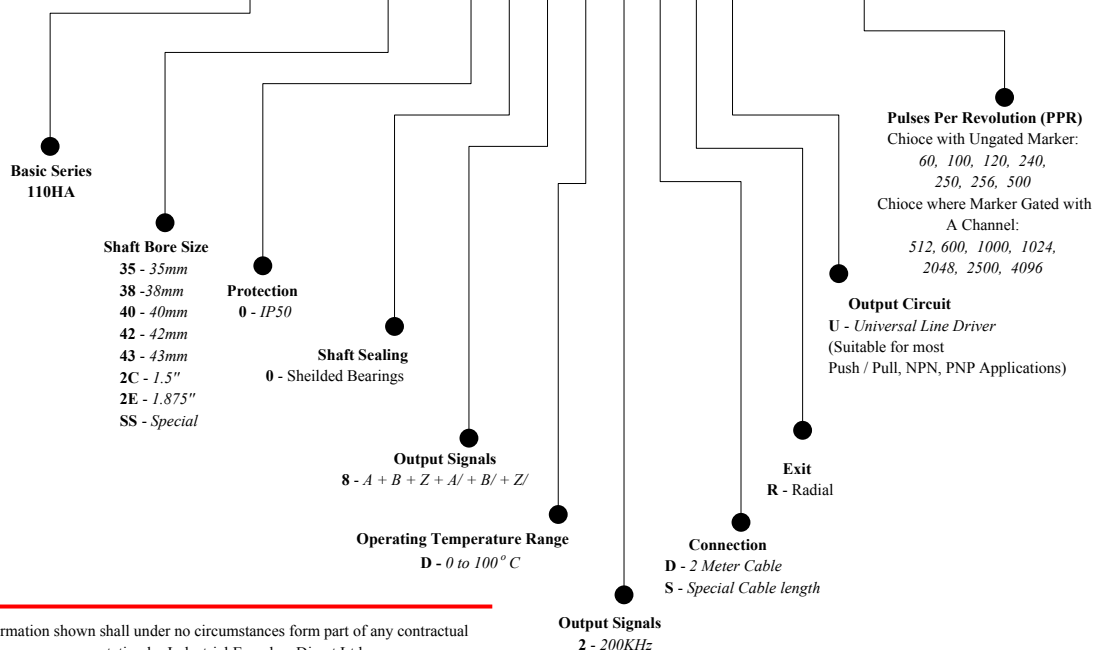
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# Large Bore Hollow Shaft Encoder

## A black, ring-shaped Hall effect sensor with a white inner ring and a mounting bracket.

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All information is issued for guidance purposes only. A copy of our Standard Terms and Conditions is available on request.

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