



Industrial Encoders
Direct Ltd

110HA Series

Large Bore Hollow Shaft Encoder

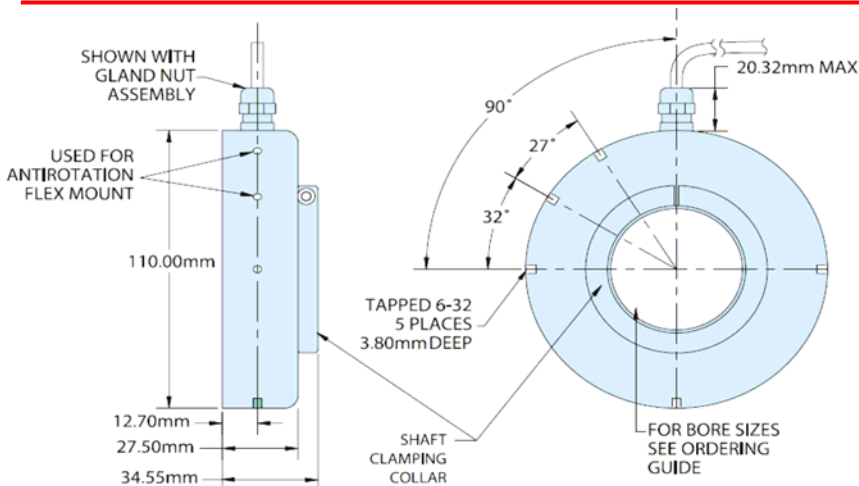


Features

- 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

Body:
Precision Machined
Aluminium

Cover:
Precision Machined
Aluminium
(Powder Coated)

Shaft:
Aluminium (Anodized)

Bearings:
Shielded Ball Race

Cable: Screened

Protection:
IP50

User Shaft Allowable Radial Runout:
0.15mm Total Indicated Reading (TIR)

Operating Temperature:
0 to +100°C
(higher on request)

Storage Temperature:
-20 to +100°C

Maximum Speed:
6000 RPM

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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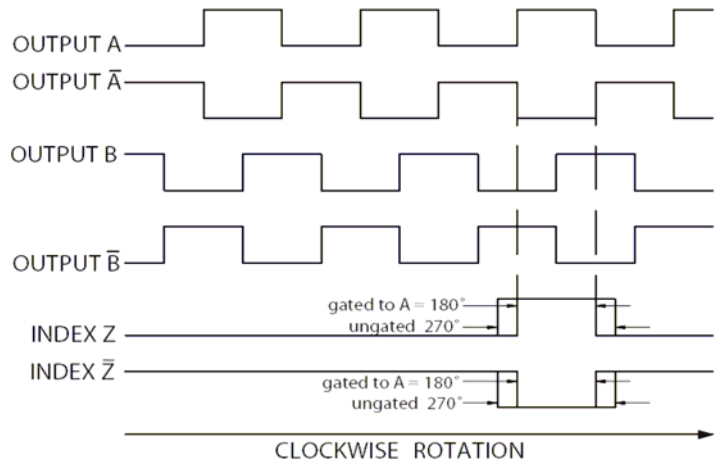


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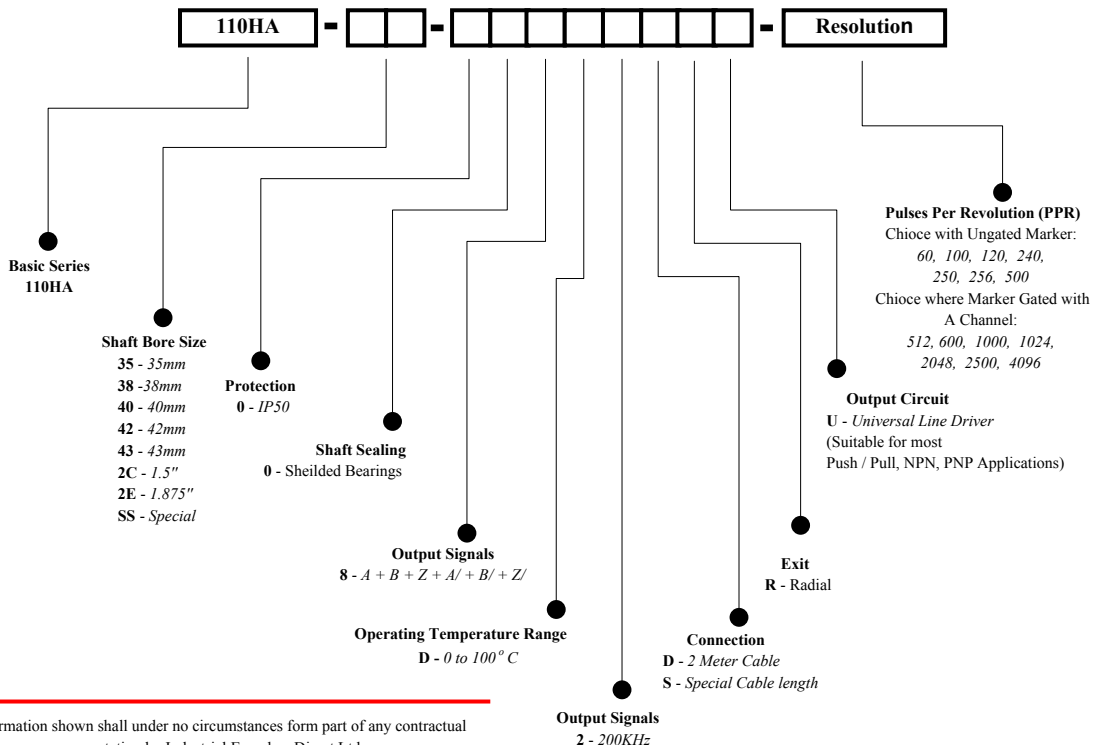
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Waveform Diagram



Ordering Code



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