## Model 802S Stainless Steel 50.80mm Diameter





#### **Features**

- Industry Standard Size 20 (50.8mm diameter) Stainless Steel Package
- Flange and Servo Mounting
- Up to 30,000 PPR
- 36 Kg Maximum Axial and Radial Shaft Loading
- IP66 Sealing Available

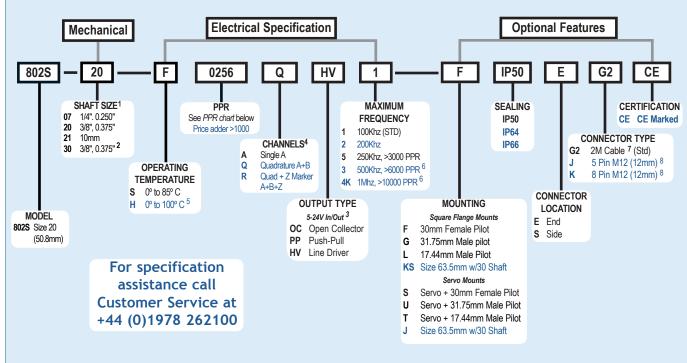
The Model 802S is a heavy duty, industry standard Size 20 (50.8 diameter) encoder specifically designed for harsh factory and plant floor environments. The Model 802S is available with a variety of flange and servo mounting styles, making it easy to use in a broad range of applications. Its heavy duty, double shielded ball bearings are rated at 36 Kg maximum axial and radial shaft load, ensuring long operating life. This ultra-rugged, yet compact encoder is housed in a type 316 stainless steel enclosure, making it ideal for applications where contamination or exposure to caustic chemicals is a concern. But don't let its tough exterior fool you, the Model 802S provides the precise, reliable output you've come to expect from BEPC.

## **Common Applications**

Motion Control Feedback, Conveyors, Elevator Controls, Machine Control, Food Processing, Process Control, Robotics, Material Handling, Textile Machines

### Model 802S Ordering Guide

ue type indicates price adder options. Not all configuration combinations may be available. Contact Customer Service for details



## Model 802S PPR Options

0001*	0002*	0004*	0005*	0006*	0007*	0008*	0010*	0011*
0012*	0014*	0020	0021*	0024*	0025*	0028*	0030*	0032*
0033*	0034*	0035*	0038*	0040*	0042*	0045*	0050*	0060
0064*	0100	0120	0125	0128*	0144*	0150*	0160*	0192*
0200	0240*	0250	0254*	0256*	0300	0333*	0360	0400
0500	0512	0600	0625*	0635	0665*	0720	0768*	0800
0889	0900*	1000	1024	1200	1201* <sup>a</sup>	1203* <sup>a</sup>	1204* <sup>a</sup>	1250 <sup>a</sup>
1270 <sup>a</sup>	1440	1500	1800	2000	2048	2400 <sup>a</sup>	2500	2540 <sup>a</sup>
2880 <sup>a</sup>	3000a	3600 <sup>a</sup>	4000a	4096 <sup>a</sup>	5000a	6000a	7200 <sup>a</sup>	7500 <sup>a</sup>
9000 <sup>a</sup>	10,000 <sup>a</sup>	10.240 <sup>a</sup>	12,000 <sup>a</sup>	12,500 <sup>a</sup>	14,400 <sup>a</sup>	15,000 <sup>a</sup>	18,000 <sup>a</sup>	20,000 <sup>a</sup>
20 480a	25.000a	30.000a	,,,,,	,,,,,,	,	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

- \* Contact Customer Service for High Temperature Option.
- <sup>a</sup> High Temperature Option (H) limited to 85° C maximum for these PPR options.

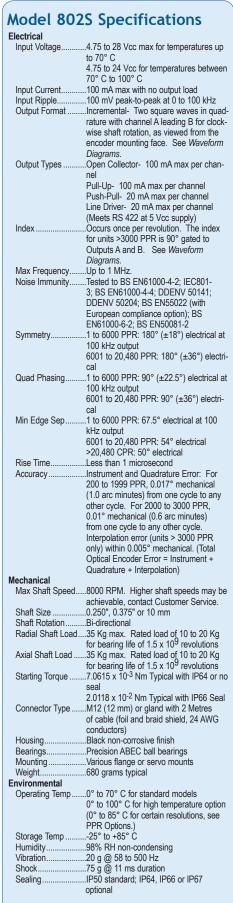
New PPR values are periodically added to those listed. Contact Customer Service to determine all currently available PPR values. Special disk resolutions are available upon request. A one-time NRE fee may apply.

#### NOTES:

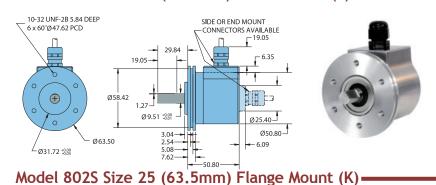
- Contact Customer Service for additional options not shown.
- 2 Shaft Size 30 ONLY available with KS and JS Mountings.
- 3 24Vcc Max for High Temperature Option.
- Contact Customer Service for non-standard marker gating or phase relationship options.
- 5 0° to 85°C for certain PPR resolutions See PPR options.
- 6 Standard Cable Length Only.
- For non-standard cable lengths contact sales for availability and cost.
- M12 Connector available on side mount option only.

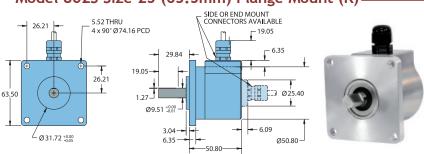
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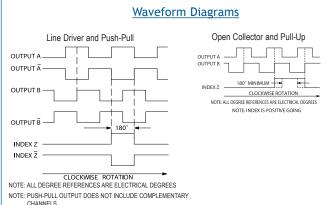


#### Model 802S Servo Mount (S) SIDE OR END MOUNT CONNECTORS AVAILABLE 4-40 UNC-2B 6.35 DEEP 2 x 120°Ø38.1mm PCD 15.87 Ø30mm +0.05 (+) ZZ3 Ø25.40 1.27\_ 1.90 -Ø50.80 15.24 50.80 Model 802S Flange Mount (F) Ø3.96 THRU SIDE OR END MOUNT CONNECTORS AVAILABLE 4 x 90° Ø 62.86 PCD - 6-32 UNC-2B 6.35 DEEP 4 x 90° Ø 50.80 PCD 15.87 Ø30.00 +0.05 44.45 1.27 Ø25 1 27 762-35.91 52 32 -50.80 Ø50.80-Model 802S Size 25 (63.5mm) Servo Mount (J)





All dimensions are in mm with a tolerance of  $\pm 0.127$ mm or  $\pm 0.254$  unless otherwise specified



Wiring Table							
Function	Gland Cable Wire Color	5-pin M12 <sup>2</sup>	8-pin M12 <sup>2</sup>				
Com	Black	3	7				
+Vcc	Red	1	2				
Α	White	4	1				
A'	Brown	_	3				
В	Blue	2	4				
B'	Violet		5				
Z	Orange	5	6				
Z'	Yellow		8				
Case	Green		_				
Shield	Bare <sup>1</sup>		-				