

Hybrid Fluid Rotary Union/Electrical Slip Ring

Model 266

Focal Technologies Corporation, a Moog Inc. company, has over 30 years of expertise in supplying standard and custom marine products for harsh environment applications and is a leading manufacturer of high performance and high quality fluid rotary unions. Contact Focal for any assistance in selecting the best solution for your requirements.



The Model 266 fluid rotary union effectively combines a compact electrical slip ring with a single vacuum pass. It offers the flexibility of electrical and vacuum transfer through a single rotational joint. The 266 is a low cost solution for semiconductor rotary joint applications.

Features

- Combined compact electrical slip ring with a single vacuum pass
- 0.235 inch port size
- Standard four electrical passes rated at 0.25 A
- Rotational speeds up to 180 rpm (19 rad/s)
- Transfers both analog and digital signals
- RJ22 connector

Benefits

- Continuous 360° rotation
- Meets semiconductor clean room standards
- Unique signal handling technology with minimal electrical circuit noise

Applications

- Semiconductor pick and place robot application
- Robot wrist
- Clean room robotics
- Packaging equipment
- Automated handling

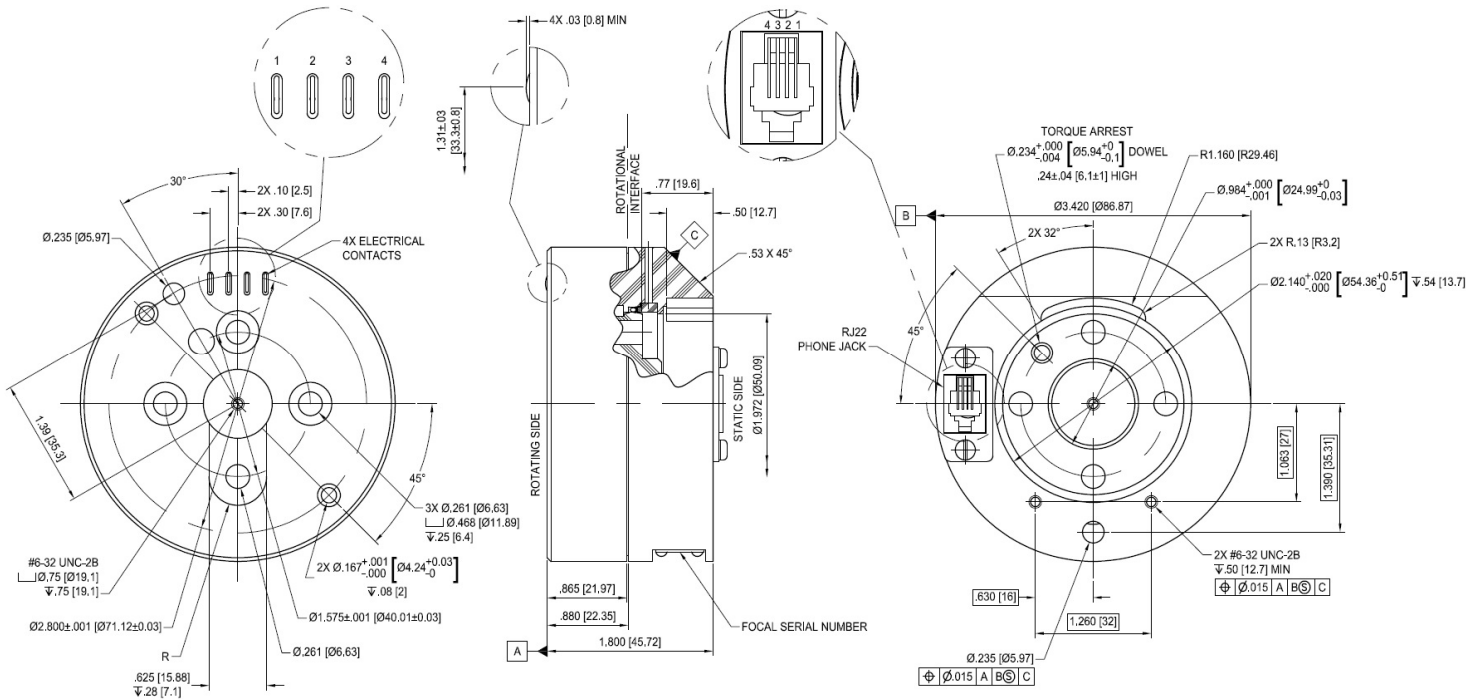
Specifications

Model 266 Specifications	
Number of Ports	1X vacuum 0.235 inch [5.97 mm] 4X electrical rated 30 V / 0.25 A
Maximum Intermittent Speed	90 rpm, \geq 12 in-lb without vacuum, \leq 24 in-lb with 24 inch Hg vacuum applied
Pressure ¹	Vacuum
Operating Temperature ¹	-5°C to +55°C [23°F to +131°F]
Maximum Torque (Estimated) ²	36 lb-in [4.1 N-m]
Weight	0.6 lb [0.3 kg]

¹ Operational life is dependent on pressure, temperature, rotational speed and duty cycle. Maximum values do not apply concurrently. Please consult the factory for actual value.

² Break-in torque may be higher

Flexible conduit should be used to couple to the rotating component. The torque arrest must be loose coupled.



All specifications and information are subject to change without notice. Please contact Focal for the latest updates.

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