

DESCRIPTION

The NSI-SC-5638 is a high accuracy rotational positioner which is ideal for use as an azimuth stage for far-field measurements or as a theta or phi rotation stage for a spherical near-field systems.

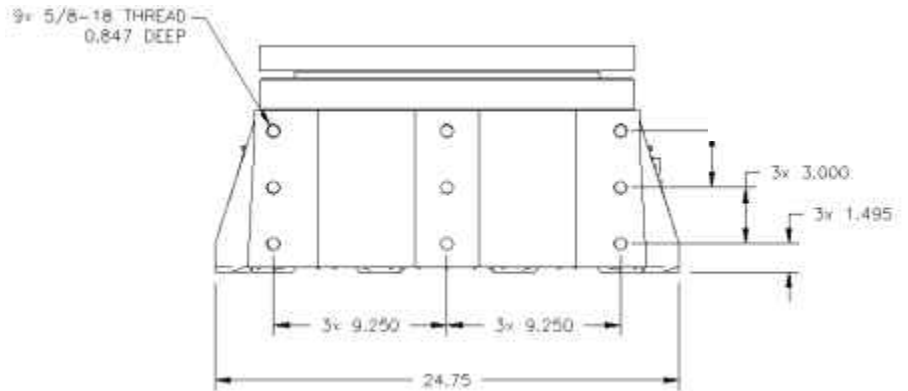
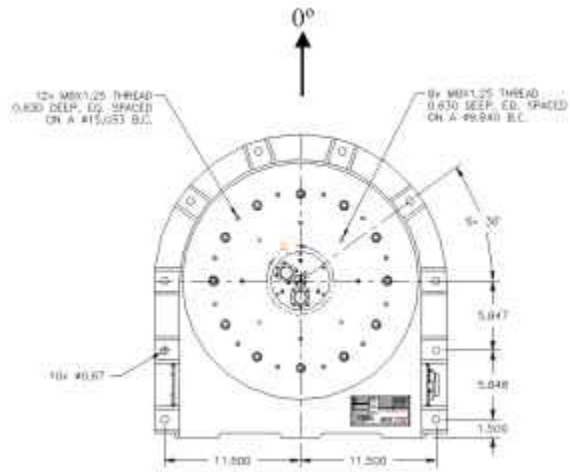
CAPABILITIES

The rotator can support a vertical load of 10,000 lb (4,535 Kg) and includes an integral precision stepper motor and motor driver. The stage interfaces to a standard NSI 2000 motion controller or can also be controlled directly by the customer using TTL pulse and direction control commands. The stage also has an integral 26.5 GHz rotary joint and 24 contact slip ring assembly to pass additional signals through the stages for other customer applications such as antenna control or for an additional positioner.

FEATURES

- High accuracy/capacity
- Stepper motor driven
- Integral motor driver
- Includes 26.5 GHz Rotary Joint and Bulkhead connectors
- Includes 24 contact slip ring assembly with 220V @ 10A per contact
- Power input can be 110 or 220 Volts
- Optional encoder with 0.001 deg resolution
- Optional 40 or 50 GHz rotary joint

SPECIFICATIONS	
Total vertical load	10,000 lb (4,535 Kg)
Total radial load	2,500 lb (1,134 Kg)
Bending moment	10,000 ft-lb (13,600 N-m)
Operating speed	30 deg/sec
Delivered torque	250 ft-lb (339 N-m)
Withstand torque	500 ft-lb (678 N-m)
Mechanical backlash	0.1 deg
Travel	360 deg
Step resolution	0.001490683 deg
Repeatability	<0.015 deg
Accuracy	0.05 deg
Platen diameter	20" (500 mm)



DIMENSIONS

- ◆ Width - 24.78" (629 mm)
- ◆ Depth - 25.56" (650 mm)
- ◆ Height - 12.00" (305 mm)
- ◆ Weight - 290lb (132 kg)

ORDERING INFORMATION

Please contact the NSI Sales department to order this product.

Nearfield Systems, Incorporated

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