



#### DESCRIPTION

The NSI-SC-5632 is a high accuracy rotational positioner which is ideal for use as an azimuth stage for far-field measurements or as a polarization stage for planar, cylindrical, or spherical near-field systems.

#### CAPABILITIES

The rotator can support a vertical load of 430lb (195 Kg) and includes an integral precision stepper motor. The stage interfaces to a standard NSI 2000 antenna range controller (NSI-SC-5911). The stage is typically fitted with a 26.5 GHz rotary joint. (NSI model number for this configuration is NSI-SC-5630), but it can also accommodate a 40 GHz or 50 GHz rotary joint.

#### FEATURES

- High accuracy/capacity
- Stepper motor driven
- Integral +/- limits
- Optional 26.5 or 40 or 50 GHz rotary joint
- Includes 40' motor cable

SPECIFICATIONS	
Total vertical load	430 lb (195 Kg)
Total radial load	160 lb (73 Kg)
Bending moment	20 ft-lb (27 N-m)
Operating speed	20 deg/sec
Delivered torque	6 ft-lb (8 N-m)
Withstand torque	7 ft-lb (9 N-m)
Mechanical backlash	0.05 deg
Travel	360 deg (limits disabled)
Step resolution	0.015 deg
Repeatability	<0.03 deg
Accuracy	0.09 deg
Platen diameter	4" (100 mm)

## ***DIMENSIONS***

- ◆ Width - 4.1" (104 mm)
- ◆ Depth - 10.1" (257 mm)
- ◆ Height - 2.16" (55 mm)
- ◆ Weight - 4.5lb (2.0 kg)

## ***ORDERING INFORMATION***

NSI-SC-5632 - Rotation Stage with 40' motor cable

NSI-SC-5630 - Rotation Stage with 40' motor cable and 26.5 GHz rotary joint

Please contact the NSI Sales department to order this product.

### **Nearfield Systems, Incorporated**

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