



DESCRIPTION

The NSI-SC-5635 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 spherical near-field systems.

CAPABILITIES

The rotator can support a vertical load of 4,400 lb (1,996 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

FEATURES

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

SPECIFICATIONS	
Total vertical load	4,400 lb (1,996 Kg)
Total radial load	1,800 lb (816 Kg)
Bending moment	352 ft-lb (477 N-m)
Operating speed	20 deg/sec
Delivered torque	62 ft-lb (84 N-m)
Withstand torque	120 ft-lb (163 N-m)
Mechanical backlash	0.05 deg
Travel	360 deg
Step resolution	0.01 deg
Repeatability	<0.03 deg
Accuracy	0.09 deg
Platen diameter	12" (300 mm)

DIMENSIONS

- ◆ Width - 12" (300 mm)
- ◆ Depth - 24.7" (627 mm)
- ◆ Height - 4.25" (108 mm)
- ◆ Weight - 85 lb (38.6 kg)

ORDERING INFORMATION

Please contact the NSI Sales department to order this product.

Nearfield Systems, Incorporated

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