

## Hollow Shaft Conductive Plastic Potentiometer



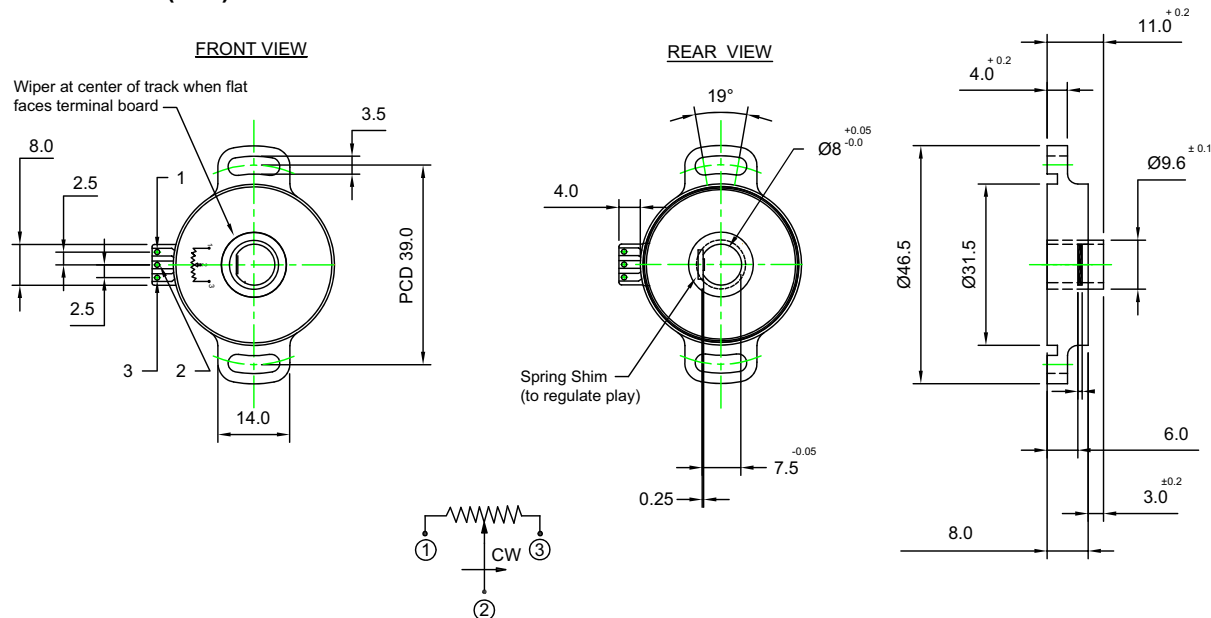
- Direct to shaft mounting, no couplings.
- Low profile
- 5,000,000 turns life
- 340° measuring angle or to your specifications
- Spring shim for secure fastening to shaft

The NP32HS is a low profile, hollow shaft precision potentiometer. Flange ears provide a simple but versatile mounting solution. Integrated spring shim reduces shaft play.

Electrical Specifications*		Mechanical Specifications*	
Electrical angle	340° ±5°	Mechanical angle	360° continuous
Resistance	1K, 2K, 5K, 10K, 20K, 50K, 100K	Rotational life	5 million shaft revolutions
Resistance tolerance	±20% (±10% optional)	Starting torque	10 Nmm
Linearity	±2% (1% or 0.5% optional)	Operating torque	7 Nmm
Resolution	Infinite	Operating temperature	-40°C to +105°C
Wiper current	<1µA (1mA max)	Max axial/radial play	0.2mm
Power rating	2W	Bearing	Sleeve, brass on one end
Temperature coefficient	+400ppm/°C	Mechanical fixing	Variable brackets (included)
Insulation resistance	500MΩ @ 500VDC	Protection rating	IP40
Dielectric strength	500 VAC, 50Hz	Housing material	Engineered plastic
End voltage (% of Vsup)	<0.5%	Shaft carrier material	Engineered plastic

\* Customers should test and verify part performance in any given application. Specifications subject to change without notice.

### Dimensions (mm)



### Available Options

Improved linearity, custom angles, shaft carrier modifications, pre-wired option, mechanical stops.