

## Slip Ring and Brush Holder



These slip rings are designed to combat electrolysis in moving or rotating shafts. Most propeller shafts and rudder shafts are partially insulated from, or have a relatively high resistant electrical path to the stern bearing and, therefore, connection of an anode to the stern bearing is of little, if any, value in providing cathodic protection to the propeller and exposed section of the shaft.

Inside the hull, a slip ring should be placed around the shaft with a carbon brush on a spring-loaded holder riding the slip ring. Current is then drained through the collar and brush to an anode on the hull, via a copper wire connecting the brush to the zinc anodes. This procedure is important because it can save many dollars by stopping corrosion. Note that relatively large anodes should be used for this purpose because current demands are high.

These slip rings are made in two bolt-on halves for easy installation. They are not finished bored to shaft size. We recommend a .003" to .005" undersize bore to ensure a tight fit on the shaft. The shaft should be thoroughly cleaned before installing the slip ring to ensure a good electrical contact is made.

Part No.	Shaft Range
8301	1" to 1 3/4"
8302	1 7/8" to 2 3/4"
8303	2 7/8" to 3 3/4"
8304	3 7/8" to 4 3/4"
8305	4 7/8" to 5 3/4"
8399	Carbon Brush & Bronze Holder