

SMALL THROUGH BORE - TB 1.0



TB 1.0

The TB 1.0 model is available in 6, 12, and 18 conductors. The model is designed to fit over a .375 to 1.00 inch diameter shaft. The optional stainless steel encasement makes it suitable to operate in a salt air environment. The assembly can be modified to rotate up to 3,000 rpm for short periods of time. Please consult our staff for information concerning rotational speeds.

Standard Specifications

Operating Current	7.5 amps per ring
Operating Voltage	1,000 VRMS
Electrical Noise	5 μ V, P-P, BW=10Hz-10kHZ at 8.5 mA, 500rpm
Leakage Resistance	10,000 M Ω (min)
Temperature Range	-30°F to 175°F
Encasement	Anodized aluminum
Ring Material	Solid coin silver
Brush Springs	Beryllium copper
Brush Contacts	Two 80% silver-20% graphite contacts per ring
Insulation	Delrin
Sealing	O-rings, double shaft seal
Leads	20 AWG TFE covered wire, 3 ft long

Options

Current	Up to 24 amps per ring
Voltage	Up to 2,000 VDC
Bandwidth	DC to 250 MHz
Temperature	Up to 350°F
Wire	Coax, twisted pair, thermocouple, to customer specifications
Wire leads	Longer leads than 3 ft. standard lengths
Mounting	To customer specifications
Encasement	Stainless steel

Sample Applications Include:

Oceanographic Instrumentation
Food Processing
Packaging Machines
Bottling Applications
Signal Transfer
Stress and Torque Readings
Defense Applications
Temperature Control



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