



- Excellent resolution
- High rotational life
- Bushing mount
- Non-standard features and specifications available
- Gangable up to 10 cups

Model 6674

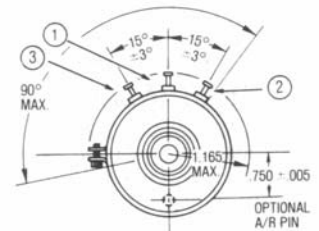
Electrical Characteristics¹

Standard Resistance Range	1K to 100K Ω
Resistance Tolerance	$\pm 10\%$
Independent Linearity	$\pm 0.25\%$
Effective Electrical Angle	$350^{\circ} \pm 2^{\circ}$
Resolution	Infinite
Power Rating (Voltage Limited By Power Dissipation or 350 VAC, Whichever is Less)	
+ 70°C	2 watts
+ 125°C	0 watt
Output Smoothness	0.1%
Dielectric Strength (VRMS)	
Sea Level	1,000
70,000 Feet	350
Insulation Resistance (300 VDC)	1,000 megohms minimum

Test Procedures Per.....	Method 106
Operating Temperature.....	-65°C to +125°C
Resistance Temperature Coefficient.....	± 5% TRS
Moisture Resistance Characteristics.....	Resistance change ± 10% maximum
Vibration.....	15G
Shock.....	60G
Rotational Life.....	25,000,000 revolutions
Total Resistance Shift.....	± 10% maximum

Shaft Runout.....	0.001 in. T.I.R.
Shaft End Play.....	0.003 in. T.I.R.
Shaft Radial Play.....	0.004 in. T.I.R.
Backlash.....	0.1% maximum
Mechanical Angle - Standard.....	Continuous
Torque (Starting & Running).....	0.75 oz-in. maximum

Technical drawing of the front view of a 2497-0000-0003 shaft assembly. The drawing shows a vertical shaft with a 2-inch diameter at the top, a 600 ± .031 inch diameter section, and a 3/8 inch diameter section. The shaft is secured with a 3/8-32 UNEF nut and a 2497-0000-0003 DIA. SHAFT. Dimensions include 25 MIN, 7/8 ± .002, 3/8 ± .004, and 4.062 ± .0002.



FRACTIONS: $\pm 1/64$ DIMENSIONS: IN.

