

Model 5330 Hollow Flange Reaction Torque Transducer

- High torsional stiffness
- Extraneous load resistance
- Compact size
- Large thru-hole



DIMENSIONS

See Drawing	MODEL 5330 HOLLOW FLANGE TYPE				
	CAPACITY (lb-in)				
	60, 120, 240	600, 1200	3K, 6K	10K, 20K	50K, 100K
	inch	inch	inch	inch	inch
(1)	0.3125	0.3125	0.3125	0.625	0.625
(2)	2	2.5	3.375	4.375	7.00
(3)	2.5	3.25	4	5	8.5
(4)	2.125	2.125	2.125	3.5	3.5
(5)	0.203 thru 2 places	0.39 thru 2 places	0.406 thru 4 places	3/8 - 24 UNF 6 places	0.63 thru 8 places
(6)	.875 thru	1.375 thru	2.375 thru	3.375 thru	3.375 thru

5330 EXTRANEOUS LOADS		
Capacity (lb-in)	Thrust (lb)	Bending (lb-in)
60	100	50
120	120	60
240	240	120
600	600	300
1200	1200	600
3000	3000	1500
6000	6000	3000
10,000	2500	2250
20,000	5000	4500
50,000	10,000	10,000
100,000	20,000	20,000

SPECIFICATIONS

ACCURACY - (MAX ERROR)	
Nonlinearity-% FS	±0.1
Hysteresis-% FS	±0.25
Nonrepeatability-% RO	±0.05
TEMPERATURE	
Compensated Range-°F	+75 to +175
Compensated Range-°C	+24 to +80
Operating Range-°F	-65 to +225
Operating Range-°C	-54 to +107
Effect on Output-%/°F - MAX	±0.002
Effect on Zero-% RO/°F - MAX	±0.002
ELECTRICAL	
Rated Output-mV/V (Nominal) (5330-60 thru 6K)	2.0
Bridge Resistance-Ohm (Nominal) (5330-3K thru 100K)	350
	700
Excitation Voltage-VDC MAX	10
MECHANICAL	
Calibration	CW & CCW
Safe Overload-%CAP	200

Error due to bending <1% FS at maximum allowable bending load.
Allowable loads cannot be applied simultaneously.

