

TS16 SQUARE FLANGE STYLE REACTION TORQUE TRANSDUCER (U.S. & METRIC)

FEATURES & BENEFITS

- Capacities from 2 to 2K Nm (17.7 to 17.7K lbf-in)
- Convenient flange mounting
- Accepts standard sockets

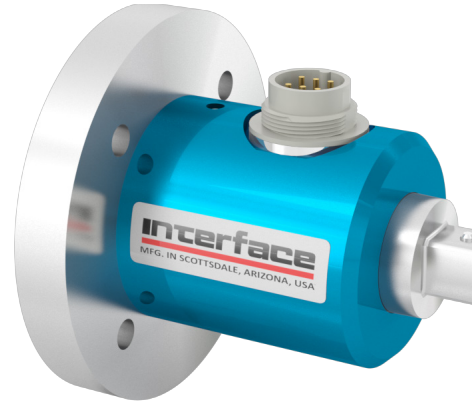
OPTIONS

- 100% Control Signal (RCAL)
- Combined Error 0.1% FS

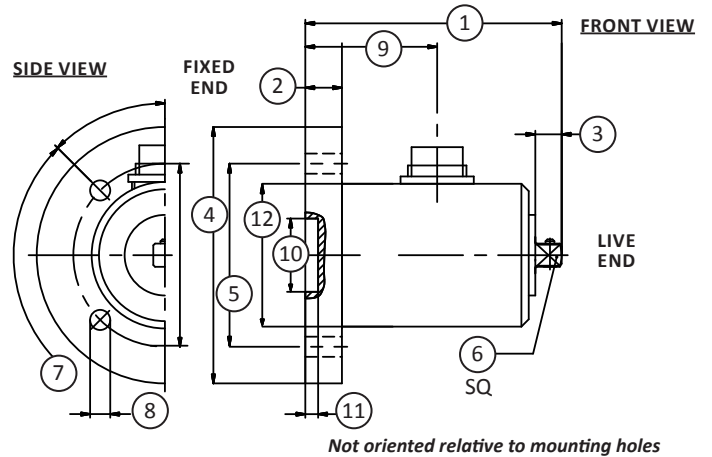
SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Combined error – %FS		±0.2
Nonrepeatability – %		±0.02
TEMPERATURE		
Effect on zero – %RO / °C		±0.02
Effect on output – % / °C		±0.01
Rated range	°C	-5 to +45
	°F	+23 to +113
Operating range	°C	-15 to +55
	°F	+5 to +131
ELECTRICAL		
Output – mV/V		1
Excitation voltage – VDC MAX		12
Bridge resistance – Ohm		350
Electrical connection		6-pin binder
MECHANICAL		
Safe overload – %RO		150
Angular deflection @ rated torque°		< 0.2
Material		Alloy steel

STANDARD CONFIGURATION



MODEL TS16 (Shown)



DIMENSIONS

See Drawing	CAPACITY											
	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)	Metric (Nm)	U.S. (lbf-in)
	2, 5, 12	17.7, 44.3, 106	25, 63	221, 1K	160	1.41K	500	4.43K	1K	8.85K	2K	17.7K
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
1	70.0	2.76	70.0	2.76	90.0	3.54	120.0	4.72	140.0	5.51	180.0	7.09
2	10.0	0.39	10.0	0.39	12.0	0.47	15.0	0.59	15.0	0.59	20.0	0.79
3	7.2	0.28	10.4	0.41	15.1	0.59	22.6	0.89	27.4	1.08	39.3	1.55
4	70.0	2.76	70.0	2.76	80.0	3.15	100.0	3.94	120.0	4.72	145.0	5.71
5	50.0	1.97	50.0	1.97	60.0	2.36	80.0	3.15	100.0	3.94	120.0	4.72
6	¾		¾		½		¾		1		1 ½	
7	4x90°		4x90°		4x90°		6x60°		8x45°		8x45°	
8	Ø5.5	Ø0.22	Ø5.5	Ø0.22	Ø6.6	Ø0.26	Ø9.0	Ø0.35	Ø11.0	Ø0.43	Ø13.0	Ø0.51
9	36.0	1.42	36.0	1.42	41.0	1.61	60.0	2.36	70.0	2.76	82.0	3.23
10	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197	Ø20 H7	Ø2.5209 / 2.5197
11	4.0	0.16	4.0	0.16	4.0	0.16	4.0	0.16	4.0	0.16	4.0	0.16
12	Ø39.0	Ø1.54	Ø40.0	Ø1.57	Ø45.0	Ø1.77	Ø49.0	Ø1.93	Ø59.0	Ø2.32	Ø70.0	Ø2.76

* U.S. dimensions and capacities are provided for conversion only. Standard product will be sold in kN and Metric dimensions. U.S. capacities available upon special request and at an additional cost.