

# Model TS16 Square Flange Style Reaction Torque Transducer

Why the Interface model TS16 Square Flange Style Reaction Torque Transducer is the best in class:

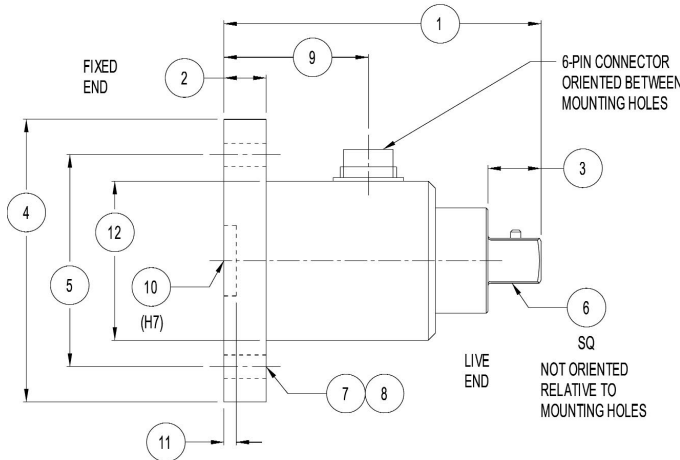
- Capacities from 2 to 2K Nm (17.7 to 17.7K lbf-in)
- Convenient flange mounting
- Accepts standard sockets



TS16 Square Flange Style Reaction Torque Transducer

## 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  
Operating Range—°C .....-15 to +55

### 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  
Cyclic Load Rating—% RO .....±70 peak

TS16 Square Flange Style Reaction Torque Transducer - Capacities 2 to 2,000 Nm

## DIMENSIONS

Capacity (Nm) Equivalent (lb-in)	Nominal Torque											
	2, 5, 12		25, 63		160		500		1K		2K	
	17.7, 44.3, 106		221, 1K		1.41K		4.43K		8.85K		17.7K	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
①	2.76	70	2.76	70	3.54	90	4.72	120	5.51	140	7.09	180
②	0.39	10	0.39	10	0.47	12	0.59	15	0.59	15	0.79	20
③	0.28	7.2	0.41	10.4	0.59	15.1	0.89	22.6	1.08	27.4	1.55	39.3
④	2.76	70	2.76	70	3.15	80	3.94	100	4.72	120	5.71	145
⑤	1.97	50	1.97	50	2.36	60	3.15	80	3.94	100	4.72	120
⑥	1/4"	6.35	3/8"	9.53	1/2"	12.7	3/4"	19.05	1"	25.4	1 1/2"	38.1
⑦	4x90°		4x90°		4x90°		6x60°		8x45°		8x45°	
⑧	0.22	5.5	0.22	5.5	0.26	6.6	0.35	9	0.43	11	0.51	13
⑨	1.42	36	1.42	36	1.61	41	2.36	60	2.76	70	3.23	82
⑩	1.53	39	1.57	40	1.77	45	1.93	49	2.32	59	2.76	70
⑪	0.12	3	0.12	3	0.12	3	0.12	3	0.12	3	0.12	3