

# Model TS15 Square Flange Style Reaction Torque Transducer

Why the Interface model TS15 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
- Useful for checking torque wrenches



TS15 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

TS15 Square Flange Style Reaction Torque Transducer - Capacities 2 to 5,000 Nm

**DIMENSIONS**

Nominal Torque														
Capacity (Nm)	2, 5, 12		25, 63		160		500		1K		2K,		3K, 5K	
Equivalent (lb-in)	17.7, 44.3, 106		221, 1K		1.41K		4.43K		8.85K		17.7K,		26.6K, 44.3K	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
①	2.76	70	2.76	70	3.15	80	3.94	100	4.72	120	5.71	145	7.87	200
②	1.97	50	1.97	50	2.36	60	3.15	80	3.94	100	4.72	120	6.69	170
③	1.53	39	1.53	39	1.77	45	2.32	59	2.72	69	3.54	90	4.92	125
④	0.87	22	0.87	22	1.17	29.8	1.73	44	2.12	54	2.99	76	3.74	95
⑤	2.52	64	2.52	64	2.95	75	3.46	88	3.70	94	4.90	124.5	5.10	129.5
⑥	1.10	28	1.10	28	1.34	34	1.69	43	1.93	49	2.74	69.5	2.85	72.5
⑦	0.12	3	0.12	3	0.59	15	0.12	3	0.20	5	0.20	5	0.20	5
⑧	0.31	8	0.45	11.5	0.63	16	0.94	24	1.13	28.6	1.63	41.5	1.63	41.5
⑨	0.22	5.5	0.22	5.5	0.26	6.6	0.35	9	0.43	11	0.51	13	0.67	17
⑩	1/4"	6.35	3/8"	9.53	1/2"	12.7	3/4"	19.05	1"	25.4	1 1/2"	38.1	1 1/2"	38.1
⑪	4x90°		4x90°		4x90°		6x60°		8x45°		8x45°		8x45°	
⑫	0.39	10	0.39	10	0.47	12	0.59	15	0.59	15	0.79	20	0.98	25
⑬	45°		45°		45°		30°		22.5°		22.5°		22.5°	
⑭	0.12	3	0.12	3	0.12	3	0.12	3	0.12	3	0.12	3	0.16	4
⑮	0.79	20	0.79	20	0.79	20	0.79	20	0.79	20	0.79	20	4.13	105

