



TSFF Static Torque Transducer

Flange to square static torque reaction transducer.

The TSFF range of static torque transducers offer a cost-effective and dependable solution for static and semi-rotary torque measurement.

Engineered for use in harsh environments such as offshore, marine and oil & gas or for the testing and calibration of heavy-duty tools, the TSFF delivers precise performance where it matters most.

Each unit is internally strain-gauged for enhanced protection and long-term reliability. A wide range of compatible readouts and amplifiers are available, creating a complete and integrated torque measurement system.

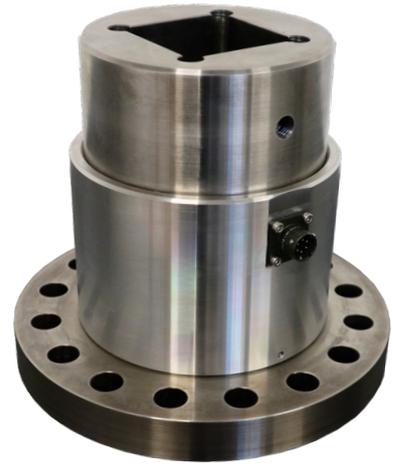
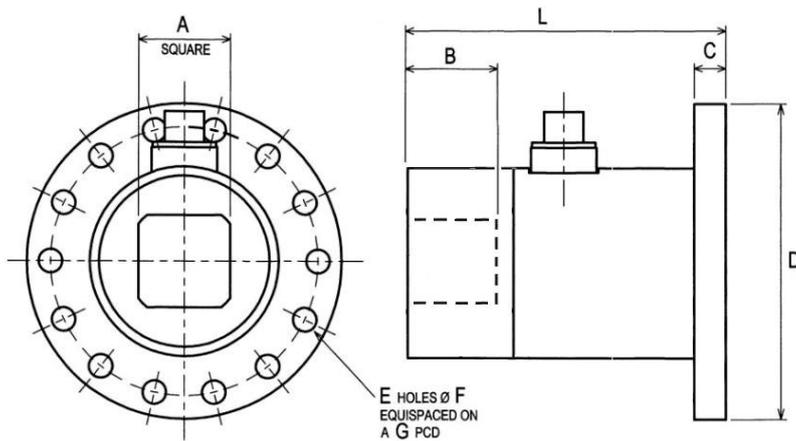
The TSFF is available in sizes ranging from 160 Nm to 75,000 Nm, with intermediate and larger capacities available upon request.

For weight-sensitive applications, a lightweight aluminium version is also available.

Technical Specification

Nominal Sensitivity:	1.5mV/V
Non-linearity:	±0.1% fs
Compensated Range:	0 to +95°C
Overload Capacity:	150% fs
Repeatability:	±0.05% FS
Storage Temp:	-30 to +95°C
Bridge Supply:	10V
Hysteresis:	±0.1% fs
Zero Shift:	< ±0.01%/C°
Bridge Resistance:	700 ohms
Operating Temp:	0 to +95°C
Span Shift:	< ±0.02%/C°
Tolerance on C diameter:	H7
Accuracy:	0.25% FS

Dimensions



Model	Size	A	B	C	D	E	F	G	L	
TSFF 0.5"	160 Nm	0.5"	16	12	80	8	6.5	65	75	
TSFF 1.0"	1000 Nm	1.0"	28.6	15	120	8	10.2	100	120	
TSFF 1.5"/3k	3000 Nm	1.5"	41.5	15	140	8	12.2	115	150	
TSFF 1.5"/5k	5000 Nm	1.5"	41.5	15	140	8	12.2	115	150	
TSFF 2.5"/10k	10000 Nm	2.5"	58	25	215	16	16.5	180	185	
TSFF 2.5"/30k	30000 Nm	2.5"	58	25	215	16	16.5	180	185	
TSFF 3.5"	75000 Nm	3.5"	Available on request.							

For pricing, availability or further technical information about the TSFF series of static torque transducers, please contact us online via our website at www.crane-electronics.com or get in touch via email at sales@crane-electronics.com.



Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY

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