



TSFF Static Torque Transducer

Flange to square static torque reaction transducer.

The TSFF range of static torque transducers provide a cost-effective solution to static or semi-rotary torque measurement applications.

All units are internally strain gauged for protection and a range of compatible readouts and amplifiers are also available for the complete range of TSFF static torque transducers.

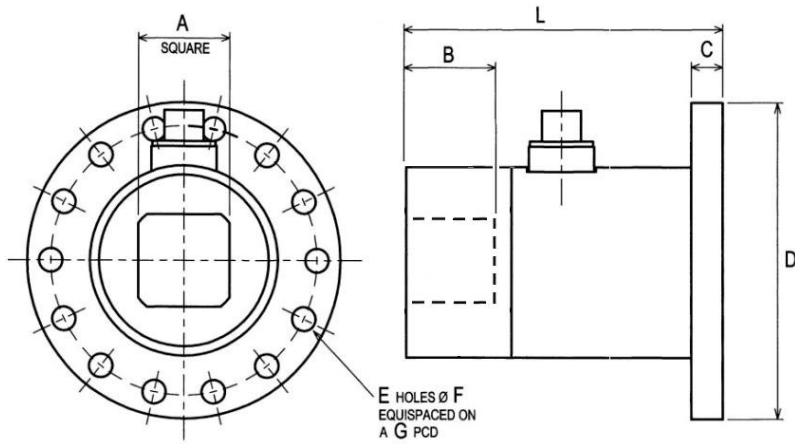
The TSFF is available in a variety of sizes ranging from 160Nm up to 75,000Nm. Intermediate and larger sizes are available. An aluminium version is also available for applications where weight is of concern.

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

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.						



Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY, UK
 USA - 1260 11th Street West, Milan, Illinois 61264, USA
 Germany - Im Rank 5, 73655 Plüderhausen, Germany

