1216 AXIAL TORSION LOAD CELL (US & METRIC)

FEATURES & BENEFITS

- Measures load and torque
- Minimal crosstalk
- Extraneous load resistance
- Fatigue rated

SPECIFICATIONS

		Axial Bridge A	Torsion Bridge B
ACCURACY – (MAX ERROR)			
Nonlinearity – %FS		±0.04	±0.07
Hysteresis – %FS		±0.04	±0.05
Non-repeatability – %RO		±0.02	±0.05
Creep, in 20 min – %		±0.025	±0.025
TEMPERATURE			
Effect on Zero – %RO / 100°F MAX		±0.08	±0.08
Effect on Output – % / 100°F MAX		±0.08	±0.08
Compensated Range	°F	+15 to +115	+15 to +115
	°C	-10 to +45	-10 to +45
Operating Range	°F	-65 to +200	-65 to +200
	°C	-55 to +90	-55 to +90
ELECTRICAL			
Rated Output – mV/V (Nominal)		1.50	1.80
Zero Balance – %RO		±2.0	±2.0
Input Resistance – Ohms		700 ±7	700 ±7
Output Resistance – Ohms		700 ±7	700 ±7
Excitation Voltage – VDC MAX		20	20
MECHANICAL			
Calibration		T & C	CW & CCW
Safe Overload – %CAP		±200	±200
Ultimate Overload – %CAP		±400	±400
Material		Aluminum	

STANDARD CONFIGURATION

Model 1216CEW-2K (Shown)

OPTIONS

- Connector Protection
- Standardized Output
- Transducer Electronic Data Sheet (TEDS)
- Custom Calibration
- Special Temperature Range

ACCESSORIES

- Mating Connector
- Instrumentation

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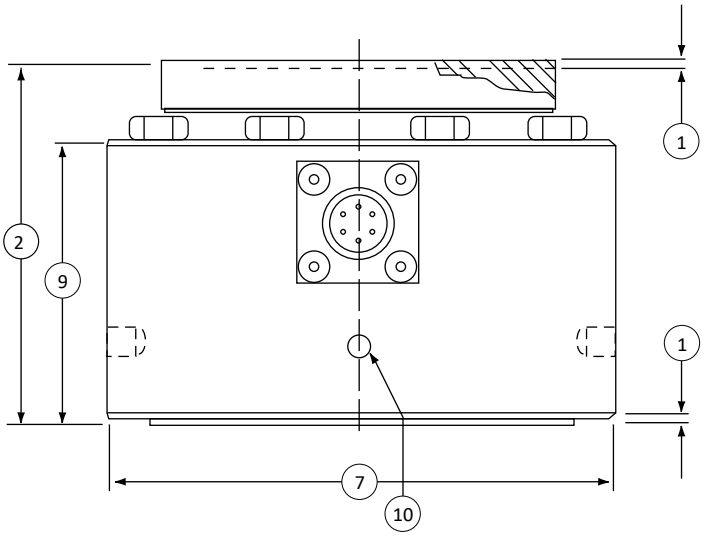

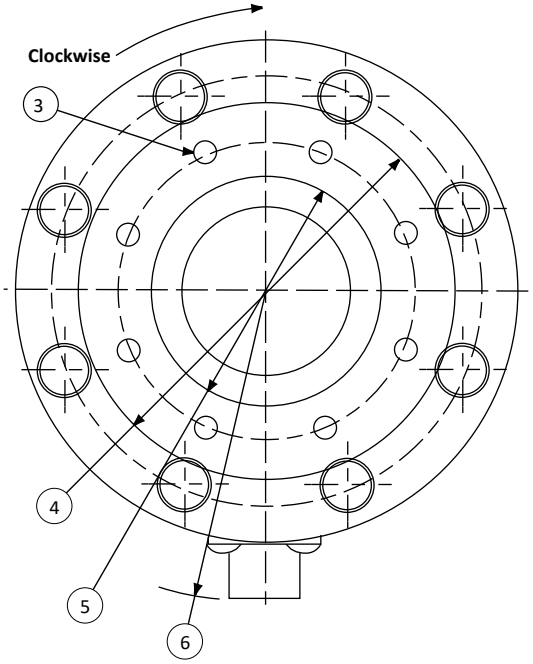

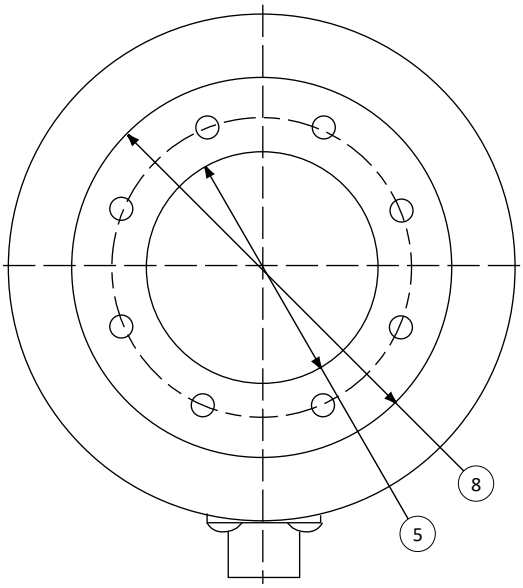

DIMENSIONS

See Drawing	CAPACITY	
	U.S. (lbf/lbf-in)	Metric (kN/Nm)
	250/125, 500/250, 1K/500, 2K/1K	1.11/14.1, 2.22/28.2, 4.45/56.5, 8.9/113
	in	mm
(1)	0.070	1.78
(2)	3.00	76.2
(3)	(¼-28) UNFx ↧ 0.43 on a 2.600 B.C.	(¼-28) UNF x ↧ 10.9 on a 66.04 B.C.
(4)	Ø3.20	Ø81.3
(5)	Ø2.000 (+0.002 / -0.000)	Ø50.80 (+0.51/-0.00)
(6)	2.77	70.3
(7)	Ø4.13	Ø104.3
(8)	Ø3.200	Ø81.28
(9)	2.33	59.2
(10)	Ø0.25 ↧ 0.25	Ø6.4 ↧ 6.4

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