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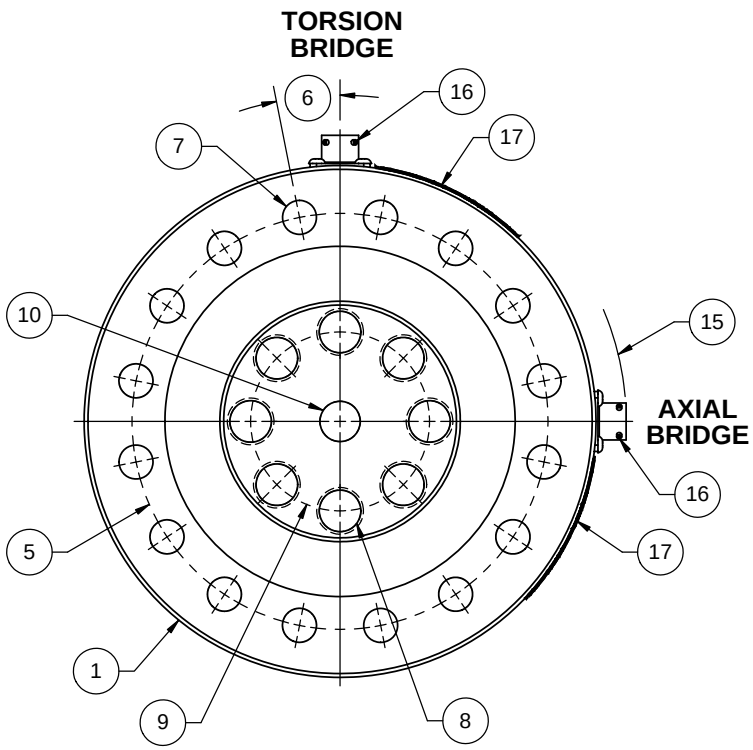
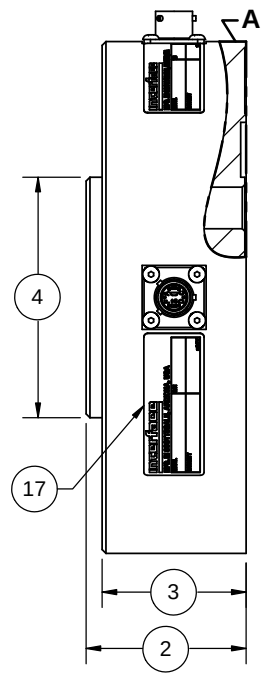
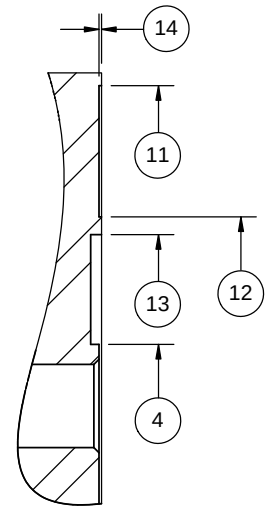
81360

REVISIONS

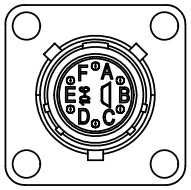
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/30/14	Ma







DETAIL A
SCALE 2 : 3



CONNECTOR PINOUT	
PIN	FUNCTION
A	+ EXCITATION
B	+ SIGNAL
C	- SIGNAL
D	- EXCITATION
E	- SENSE
F	+ SENSE

AXIAL BRIDGE TENSION UPSCALE
TORSION BRIDGE CW UPSCALE

	LOAD CELL CHARACTERISTICS	CAPACITIES
#	CAPACITIES (AXIAL / TORSION)	100kN / 2000 Nm
1	OUTSIDE DIAMETER	∅8.00 (∅203.1)
2	HUB SURFACE TO MOUNTING SURFACE	2.50 (63.5)
3	BOLT SURFACE TO MOUNTING SURFACE	2.25 (57.2)
4	HUB SURFACE DIAMETER	∅3.76 (∅95.4)
5	MOUNTING BOLT CIRCLE	∅6.500 (∅165.10)
6	MOUNTING BOLT OFFSET ANGLE	11.25°
7	MOUNTING BOLT THRU HOLE Ø	∅0.50 (∅12.7)
8	FLANGE MOUNTING HOLES	∅0.650 (∅16.51) THRU, C'SINK ∅0.73 (∅18.5) X 90°
9	FLANGE MOUNTING BOLT CIRCLE	∅2.795 (∅71.00)
10	ALIGNMENT HOLE	∅0.6299 - 0.6306 THRU (∅16.000 - 16.017 THRU)
11	OUTER RING INNER DIAMETER	∅7.80 (∅198.1)
12	INNER RING OUTER DIAMETER	∅5.75 (∅146.1)
13	INNER RING INNER DIAMETER	∅5.47 (∅139.0)
14	RECESSED HUB SURFACE / AREAS	0.02 (0.5)
15	ROTATIONAL CLEARANCE	R4.49 (R114.1) MIN
16	CONNECTOR TYPE	PT02E-10-6P
17	IDENTIFICATION LABEL INCLUDING: MODEL, CAPACITY, SERIAL NUMBER & OUTPUT	

2. DIMENSIONAL TOLERANCE: ±0.01 (±0.3).

1. DIMENSIONS IN INCHES (mm).

REMOVE BURRS AND SHARP EDGES .02 MAX
SURFACE FINISH 63 MICROINCHES

CREATOR	DATE
DESIGNED: ALBERT L.	04/24/14
DETAILED: RLP	04/28/14

CAM DATA:

interface
ADVANCED FORCE MEASUREMENT
7401 E. BUTHERUS DR. SCOTTSDALE, AZ USA 85260

TITLE:
OUTLINE MODEL:
3816EUM-100KN

SIZE: A | DWG. NO: 81360 | REV: A

SCALE: 1:3 | SHEET 1 OF 1

CAD FILE <N:\~\81360A.SLD***>