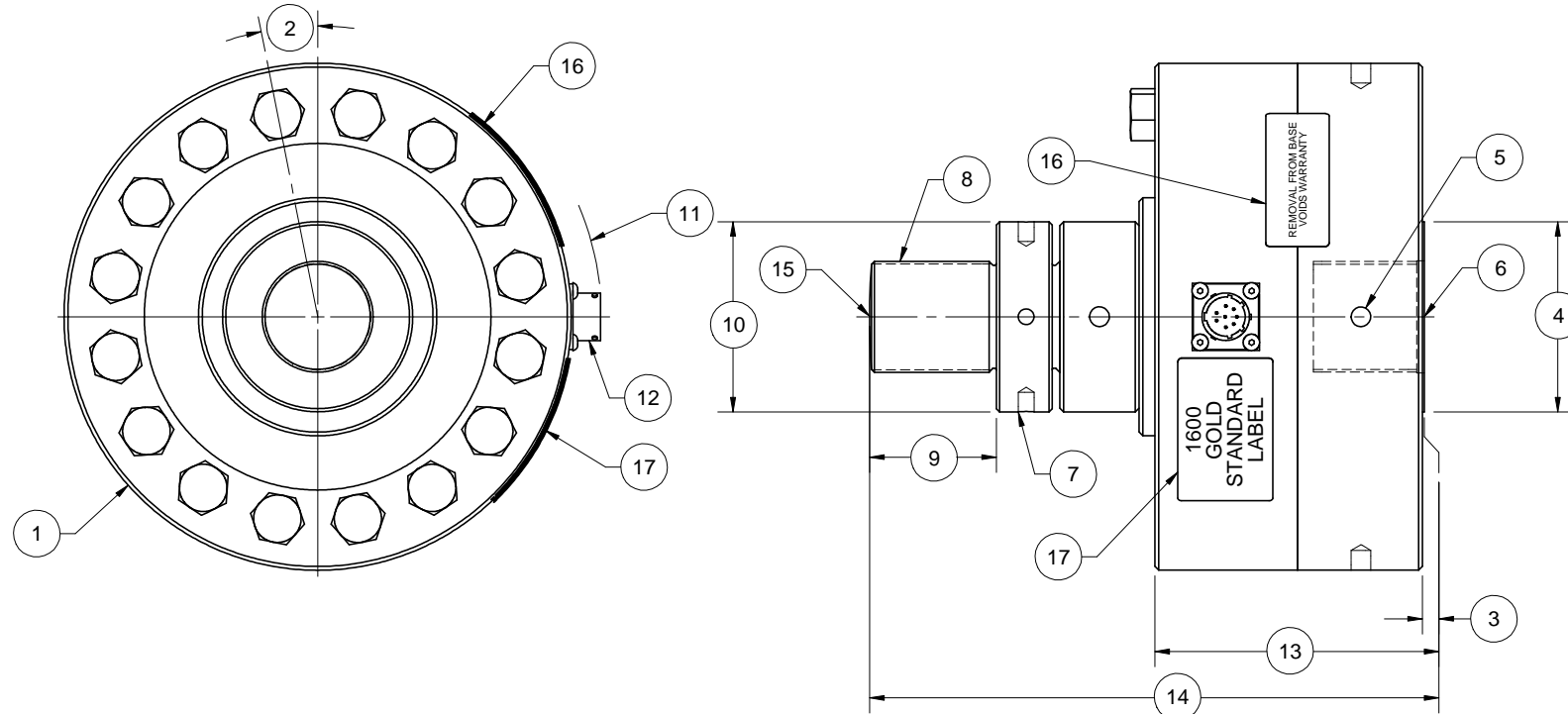


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80020

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
C	BALLOON 12, 8.62 WAS 8.25	02/22/99	
D	8.75 OVERALL LENGTH WAS 8.62	06/04/08	
E	ADDED METRIC CAPACITIES	07/05/12	RLP



FLEXURE BASE

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

TENSION UPSCALE

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

1. DIMENSIONS IN INCHES (mm).

LOAD CELL CHARACTERISTICS		US CAPACITIES	SI CAPACITIES
#	CAPACITY	100K (lbf)	450 (kN)
1	OUTSIDE DIAMETER	Ø8.00 (Ø203.1)	
2	MOUNTING BOLT OFFSET ANGLE	11.25°	
3	BASE PAD HEIGHT	0.03 (0.8)	
4	BASE PAD DIAMETER	Ø3.00 (Ø76.2)	
5	(4) SPANNER HOLES SPACED AT 90°	Ø0.31 ∇ 0.31 (Ø7.9 ∇ 7.9)	
6	BASE THREAD, DEPTH & COUNTERBORE	1.750-12 UN-3B ∇ 1.75 □ Ø1.77 ∇ .12	M42 X 2-4H ∇ 44.4 □ Ø42.5 ∇ 3.0
7	THREAD ADAPTOR & SPANNER NUT	CA-103	CA-203
8	ADAPTOR THREAD	1.750-12 UN-3A	M42 X 2-4g
9	THREAD LENGTH	2.00 (50.8)	
10	HUB SURFACE DIAMETER	Ø3.00 (Ø76.2)	
11	ROTATIONAL CLEARANCE (CONNECTOR)	R4.50 (R114.3) MIN	
12	CONNECTOR TYPE	PT02E-12-8P	
13	FLEXURE & BASE OVERALL HEIGHT	4.25 (108.0)	
14	OVERALL LENGTH	8.75±.12 (222.2±3.1)	
15	SPHERICAL RADIUS	12.00 (304.8)	
16	WARNING LABEL		
17	IDENTIFICATION LABEL INCLUDING: MODEL, CAPACITY, SERIAL NUMBER & OUTPUT		

REMOVE BURRS AND SHARP EDGES .02 MAX SURFACE FINISH 63 MICROINCHES	
CREATOR:	DATE:
DESIGNED:	
DETAILED:	12/26/96
PER:	
CAM DATA:	

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

TITLE:
OUTLINE MODEL: 1632

SIZE: A DWG. NO: **80020** REV: **E**

SCALE: 1:3 SHEET 1 OF 1

CAD FILE <N:\-180020E.SLD***>