



**CALIBRATION BEARING PLATE**

THE BEARING PLATE SHOULD BE UTILIZED FOR ALL CALIBRATIONS OF MULTI-AXES LOAD CELLS. THE BEARING PLATE CONSISTS OF TWO HARDENED PLATES SEPARATED BY BALL BEARINGS. THIS FUNCTIONS TO SUPPORT THE HIGH LOADS OF CALIBRATION WHILE ALLOWING LATERAL MOTION.

LOADING MACHINES MAY HAVE SMALL LATERAL DISPLACEMENTS WHICH WOULD BE MEASURED AS CROSSTALK ON THE LOAD CELL UNDER CALIBRATION. THE BEARING PLATE ALLOWS THE CALIBRATION FIXTURE TO TRAVEL WITH THE MOTION OF THE LOADING MACHINE. THIS PROVIDES A TRUE ASSESMENT OF THE PERFORMANCE OF THE LOAD CELL AND NOT THE EFFECT OF THE MOTION OF THE LOADING MACHINE.

**BEARING PLATE CAPACITY:  
25000 LBF.**

**CALIBRATION BEARING PLATE-12"**

SCALE: FULL	DRAWN BY: C.R. MORGAN
DATE: 4/12/00	MODEL: 2000

TWO PLACE DECIMALS ± .010  
THREE PLACE DECIMALS ± .005  
ANGLES ± 0° 30'

UNLESS OTHERWISE SPECIFIED  
SURFACE FINISH 125 ✓  
REMOVE ALL BURRS & SHARP EDGES  
DIMENSION LIMITS HELD AFTER PLATING

**ROBERT A. DENTON, INC.**  
ROCHESTER HILLS, MICHIGAN

DRAWING NUMBER:  
**B-2000-D**

SYM	REVISION	DATE