


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:
5000 LBS.

CALIBRATION BEARING PLATE

SCALE: FULL		DRAWN BY: C.R. MORGAN
DATE: 6/12/83		MODEL: 1865
UNLESS OTHERWISE SPECIFIED		
TWO PLACE DECIMALS ± .010	SURFACE FINISH 125 \sqrt{R}	
THREE PLACE DECIMALS ± .005	REMOVE ALL BURRS & SHARP EDGES	
ANGLES ± 0° 30'	DIMENSION LIMITS HELD AFTER PLATING	
 ROBERT A. DENTON, INC. ROCHESTER HILLS, MICHIGAN		DRAWING NUMBER: B-1865-D

SYM	REVISION	DATE