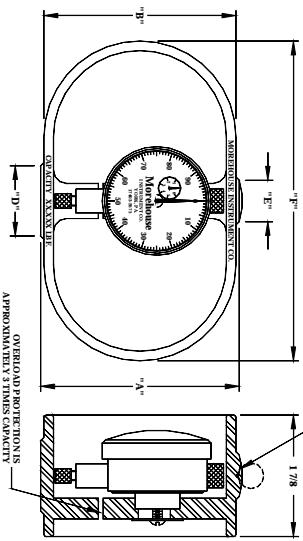


SPHERICAL RADIUS ON TOP LOADING SURFACE WITH BALL SEAT.
THE GAUGE CAN BE LOADED DIRECTLY AGAINST A BRAY SURFACE,
OR WITH THE USE OF A 1/8" DIA. HARDENED CHROME ALLOY STEEL BALL,
EITHER SHOULD BE LOADED AGAINST A SOFT STEEL PLATE.



BRINELL HARDNESS TESTING LOADS

THE 10,000 LBF. CAPACITY GAUGE CAN BE CALIBRATED WITH THE STANDARD
BRINELL HARDNESS TESTER LOADS OF 900, 1000, 1500, 2000, 2500, AND
3000 KILOGRAMS IN LIEU OF THE REGULAR POUND CALIBRATION AT NO EXTRA
COST, OR IN ADDITION TO IT AT EXTRA COST.

NOTE:
1. TOP PROFILE FORCE GAUGES ARE AVAILABLE IN COMPRESSION
TYPE ONLY WITH AN EXPANDED SCALE TYPE INDICATOR AS
DESCRIBED ON PAGE OF BULLETIN #21 & EXCEPT THESE
GAUGES HAVE APPROXIMATELY 500 DIV. DEFLECTION AT
CAPACITY.

CATALOG NO.	CAPACITY	"A"	"B"	"D"	"E"	"F"
35-697	50 LBF.	3	2 7/8	1	5/8	4 3/4
35-698	100 LBF.	3	2 7/8	1	5/8	4 3/4
35-701	150 LBF.	3	2 7/8	1	5/8	4 3/4
35-699	250 LBF.	3	2 7/8	1	5/8	4 3/4
35-455	500 LBF.	3	2 7/8	1	5/8	4 3/4
35-456	1,000 LBF.	3	2 7/8	1	5/8	4 3/4
35-463	2,000 LBF.	3	2 7/8	1	5/8	4 3/4
35-458	2,500 LBF.	3	2 7/8	1	5/8	4 3/4
35-457	3,000 LBF.	3	2 7/8	1	5/8	4 3/4
35-459	4,000 LBF.	3	2 7/8	1	5/8	4 3/4
35-460	5,000 LBF.	3	2 7/8	1	5/8	4 3/4
35-461	6,000 LBF.	4 3/8	4	1	1	6
35-462	10,000 LBF.	4 3/8	4	1	1	6
35-700	20,000 LBF.	4 3/8	4	1	1	6

GENERAL SPECIFICATIONS APPLICABLE TO ALL CAPACITIES

- FINISH: ATTRACTIVE BAKED ON EPOXY FOR EXCEPTIONAL PROTECTION AGAINST CORROSION AND GRIPPING
- FULL SCALE DEFLECTION: APPROXIMATELY 500 DIVISIONS
- SENSITIVITY: 1/10 DIVISION
- READABILITY: 1/5 DIVISION
- INDICATOR: FULLY JEWELLED AND MEETS OR EXCEEDS ACP SPECIFICATION
- UNCERTAINTY: 1/10 OR 1/5 OF FULL SCALE AT CALIBRATED LOADS (EQUAL TO LB. PER 1,000 LBF. OF CAPACITY)
- CALIBRATION: CALIBRATED ACCORDING TO AMERICAN SOCIETY FOR TESTING AND MATERIALS SPECIFICATION E-74 IN TERMS OF DIVISIONS. THE UNITS SPECIFIED OTHERWISE ARE IN TERMS OF POUNDS. THE GAUGES CALIBRATED AT 10 LOADS IN INCREMENTS EQUAL TO 10% OF CAPACITY. IF SPECIFIED, UP TO 10 SPECIAL LOADS CAN BE CALIBRATED IN LIEU OF THE STANDARD 10 LOADS. ADDITIONAL LOADS IN EXCESS OF 10 CAN BE CALIBRATED AT EXTRA COST.
- CERTIFICATION: ALL CALIBRATIONS ARE CERTIFIED TRACEABLE TO THE UNITED STATES NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY

MOREHOUSE INSTRUMENT CO.
YORK, PA.

LAYOUT	TITLE	LOW PROFILE
ASSEMBLY		RING FORCE GAUGES
DRAWN BY BKA	DWG. NO.	999220
CHECKED BY N.T.S.	SCALE	A
DATE 12-11-98	SHEET	OF