SAE HEADLAMP TEST FIXTURE
100 X 165 MM

DIMENSIONS ARE IN mm

MACHINE MATERIALS:
DISC. ARM AND BRACE-ALUMINUM-SAE-AA-6061-T6 OR EQUIV
COIL SPRING AND LEVEL CLIP-SPRING STEEL
SAE 1050-Cadmium Plate

WEIGHT AND EYE BOLT ASSEMBLY-STEEL-Cadmium Plate
SCREWS-ALUMINUM-MACHINE THREADS
MACHINED DIM ± 0.13 mm
SAE 100 X 165 mm - HEADLAMP TEST FIXTURE

SECTION AA-AA
SECTION B-B
SECTION A-A

5.08 BUBBLE MOVEMENT
MUST INDICATE 0.25 DEGREE
SENSITIVITY OR BETTER
MUST BE ACCURATE TO
WITHIN ± 0.05 DEGREE
THROUGH A RANGE OF
± 4 DEGREES

10 EQUAL DIVISIONS
1-REVOLUTION EQUALS
0.5 DEGREE DEFLECTION

1.27 IMPRESSION

SPRING TO SUIT
BRASS THUMB
SCREW 64 THREADS
PER 25.4 mm

MAX 69.85
31.75
98.42
12.7 RING CLEARANCE NOTCH

LIGHTENING HOLES AS REQUIRED
FINAL WEIGHT OF DISC & LEVEL ASSEMBLY
TO BE 0.481 kg

SPOT DRILL AS REQUIRED
FINAL WEIGHT OF EYE BOLT AND
WEIGHT ASSEMBLY TO BE 1.814 kg

TYPES A AND E HEADLAMP AIM DEFLECTION TEST SETUP

FIGURE 16