SAE HEADLAMP TEST FIXTURE
142 X 200 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 1060-Cadmium Plate
WEIGHT AND EYE BOLT ASSEMBLY-STEEL-Cadmium Plate
SCREWS-ALUMINUM-MACHINE THREADS
MACHINED DIM ± 0.13 mm
SAE 142 X 200 mm - HEADLAMP TEST FIXTURE

5.08 BUBBLE MOVEMENT MUST INDICATE 0.25 DEGREE
SENSITIVITY OR BETTER
(1)
MUST BE ACCURATE TO
(2) WITHIN ± 0.05 DEGREE
THROUGH A RANGE OF
± 4 DEGREES

10 EQUAL DIVISIONS
1-REVOLUTION EQUALS
0.5 DEGREE DEFLECTION

1.27 IMPRESSION

7.62 CONSTANT

SPRING TO SUIT

BRASS THUMB SCREW 64 THREADS PER 25.4 mm

TYP 14.73

#10 SCREW TYPICAL-2 PLACES
ALUM COLLET

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

LIGHTENING HOLES AS REQUIRED
FINAL WEIGHT OF DISC & LEVEL ASSEMBLY TO BE 0.67 kg

SPRING CLIP AND GROOVE IN THUMB SCREW TO LIMIT ADJUSTMENT TO 4 DEGREES UP

SECTION B-B

ALUMINUM SLEEVE TO LIMIT THUMB SCREEN ADJUSTMENT TO 4 DEGREES DOWN

SECTION A-A

254 TYP.

254 O R

FIGURE 17