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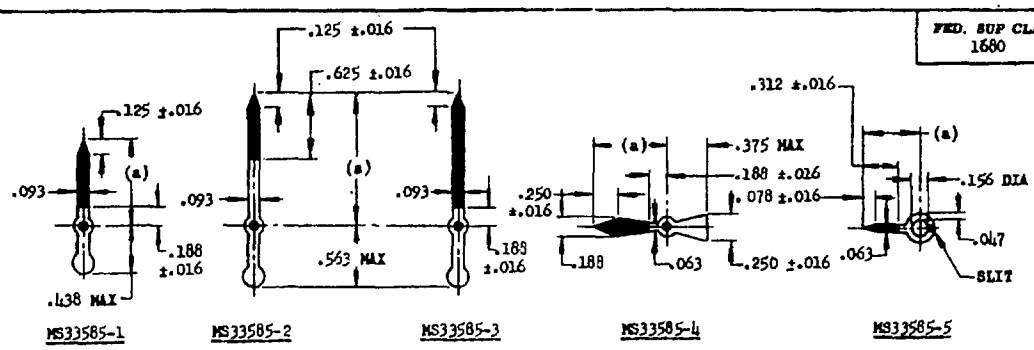
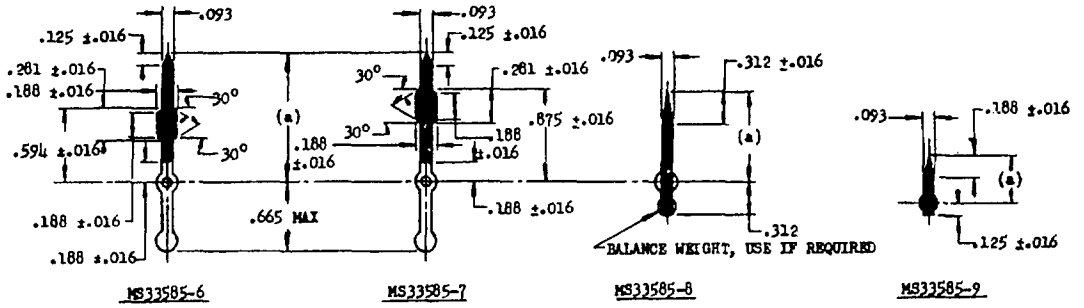
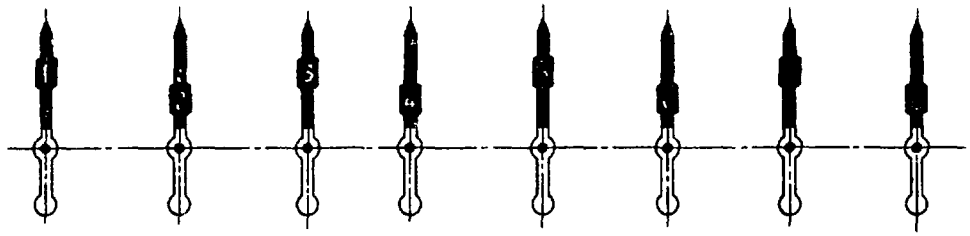
FED. SUP CLASS. 1680




MS33585-1 MS33585-2 MS33585-3 MS33585-4 MS33585-5




MS33585-6 MS33585-7 MS33585-8 MS33585-9



MS33585-11 MS33585-12 MS33585-13 MS33585-14 MS33585-15 MS33585-16 MS33585-17 MS33585-18

(B) (a) THIS DIMENSION SHALL BE SUCH THAT THE LENGTH FROM THE CENTER OF THE HUB TO THE TIP OF THE TAPERED END SHALL OVERLAP 1/5 OF THE SHORTEST GRADUATION ON THE DIAL ASSOCIATED WITH THE POINTER. A TOLERANCE OF ±.016 SHALL APPLY.

DASH NUMBERS ARE THE SAME AS CORRESPONDING DASH NUMBERS OF AND10404.

DIMENSIONS OF POINTERS -11, -13, -15, -17 AND -12, -14, -16, -18 ARE THE SAME AS -7 AND -6, RESPECTIVELY.

THICKNESS OF POINTERS SHALL BE NOT LESS THAN .010.

BALANCE END AND HUB OF POINTER SHALL BE DESIGNED TO SUIT CONDITIONS.

WHEN POINTERS ARE REQUIRED TO BE MARKED R AND L, THE R SHALL BE ON -6 POINTER AND THE L SHALL BE ON -7 POINTER. WHEN POINTERS ARE REQUIRED TO BE MARKED T AND E, THE T SHALL BE ON -6 POINTER AND THE E SHALL BE ON -7 POINTER. WHEN POINTERS ARE REQUIRED TO BE MARKED R AND E, THE R SHALL BE ON -6 POINTER AND THE E SHALL BE ON -7 POINTER.

NUMERALS AND LETTERS SHALL BE IN ACCORDANCE WITH STANDARD MS33558.

MARKING MATERIAL ON SHADED PART OF POINTER SHALL BE AS SPECIFIED IN THE DETAILED SPECIFICATION.

UNSHADED PART OF POINTER SHALL BE DURABLE DULL BLACK.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010, ANGLES ±.5°.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

THIS IS A DESIGN STANDARD. NOT USED AS A PART NUMBER

THIS DOCUMENT HAS BEEN PROMULGATED BY THE DEPARTMENT OF DEFENSE AS THE MILITARY STANDARD TO LIMIT THE SELECTION OF THE ITEM, PRODUCT, OR DESIGN COVERED HEREIN IN ENGINEERING, DESIGN, AND PROCUREMENT. THIS STANDARD SHALL BECOME EFFECTIVE NOT LATER THAN 90 DAYS AFTER THE LATEST DATE OF APPROVAL SHOWN.

APPROVED 13 Sep 57 REVISED (A) 21 AUG 58 (B) 30 Jun 61

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|---|---|---|
| P.A. Navy - Wep<br>OTHER CUST<br>USAF - AFSC | **MILITARY STANDARD**<br>POINTERS, DIAL, STANDARD DESIGN OF AIRCRAFT INSTRUMENT | **MS33585 (ASG)** |
| PROCUREMENT SPECIFICATION NONE | SUPERSEDES: AND10404 | SHEET 1 OF 1 |

DD FORM 672-1
1 OCT 52