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<p>FOR DETAIL OF REAR PIN ASSEMBLY (SEE SHEET 2)</p> <p>$\frac{1}{2}$ DIA ACCESS HOLES IF REQD (SEE NOTE 3)</p> <p>"H" DENOTES POSITION OF CENTER FOR MOUNTING HOLE PLAN (FOR TYPICAL DETAIL PLAN SEE SHEET 2)</p> <p>VIBRATION MOUNTS</p> <p>$\frac{1}{8}$ DIA HOLES $\frac{1}{64}$ DIA HOLES IN FRONT OF FLANGE BASE</p> <p>TOP OF RAIL AT MAX VERTICAL SWAY UNDER TEST</p> <p>THIS DOTTED PLANE SHALL BE FREE FROM ANY PROJECTIONS, EXCEPT FOR REAR PIN ASSY.</p> <p>MAX. $\frac{3}{64}$</p> <p>$\frac{1}{16}$ MAX DESIGN VALUE TO TOP OF RAIL AT MIN RATED LOAD (SEE NOTE 2)</p> <p>FRONT CLAMP ASSEMBLY (SEE NOTE 4)</p> <p>MOUNTING HOLES LOCATED IN THIS PLANE (SEE TYPICAL DETAIL PLAN OF MTG. HOLES, SHEET 2)</p> <p>VIBRATION MOUNT, SIZE 2</p> <p>END DETAIL OF RAIL</p> <p>(FRONT FLANGE OF BASE) SUITABLE MARKING GIVING MS PART NUMBER & LOAD RANGE.</p> <p>TOP OF RAIL HINGE-PIN CENTERLINE</p> <p>$\frac{1}{16}$ $\frac{1}{16}$ $\frac{1}{16}$ $\frac{1}{16}$</p>																																																												
<p>MS PART NUMBER 1/</p> <p>2/MS91405-A1B } SEE NOTE 6</p> <p>2/MS91405-A1C }</p> <p>3/MS91405-A1D }</p> <p>MS91405-B1B</p> <p>MS91405-B1C</p> <p>MS91405-B1D1</p> <p>MS91405-B1D2</p> <p>MS91405-C2D</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="5">DIMENSIONS</th> <th rowspan="2">LOAD RANGE (POUNDS)</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>9-1/16</td> <td>12-5/8</td> <td>5</td> <td>4-1/8</td> <td>3-1/2</td> <td>8 to 18</td> </tr> <tr> <td>12-1/16</td> <td>15-5/8</td> <td>5</td> <td>4-1/8</td> <td>3-1/2</td> <td>12 to 20</td> </tr> <tr> <td>16-1/16</td> <td>19-5/8</td> <td>5</td> <td>4-1/8</td> <td>3-1/2</td> <td>18 to 40</td> </tr> <tr> <td>9-1/16</td> <td>12-5/8</td> <td>10-1/4</td> <td>9-3/8</td> <td>8-3/4</td> <td>18 to 40</td> </tr> <tr> <td>12-1/16</td> <td>15-5/8</td> <td>10-1/4</td> <td>9-3/8</td> <td>8-3/4</td> <td>18 to 40</td> </tr> <tr> <td>16-1/16</td> <td>19-5/8</td> <td>10-1/4</td> <td>9-3/8</td> <td>8-3/4</td> <td>18 to 40</td> </tr> <tr> <td>16-1/16</td> <td>19-5/8</td> <td>10-1/4</td> <td>9-3/8</td> <td>8-3/4</td> <td>25 to 50</td> </tr> <tr> <td>16-1/16</td> <td>19-5/8</td> <td>15-1/2</td> <td>14-5/8</td> <td>14</td> <td>40 to 80</td> </tr> </tbody> </table>	DIMENSIONS					LOAD RANGE (POUNDS)	A	B	C	D	E	9-1/16	12-5/8	5	4-1/8	3-1/2	8 to 18	12-1/16	15-5/8	5	4-1/8	3-1/2	12 to 20	16-1/16	19-5/8	5	4-1/8	3-1/2	18 to 40	9-1/16	12-5/8	10-1/4	9-3/8	8-3/4	18 to 40	12-1/16	15-5/8	10-1/4	9-3/8	8-3/4	18 to 40	16-1/16	19-5/8	10-1/4	9-3/8	8-3/4	18 to 40	16-1/16	19-5/8	10-1/4	9-3/8	8-3/4	25 to 50	16-1/16	19-5/8	15-1/2	14-5/8	14	40 to 80
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<p>1/ THE MS PART NUMBER CONSISTS OF THE MS MILITARY-STANDARD NUMBER FOLLOWED BY A DASH NUMBER. THE DASH NUMBER INDICATES BASES THAT ARE DESIGNED TO HOLD CASES HAVING THE SAME DASH NUMBER. FOR EXAMPLE, A MS91405-A1D BASE WILL HOLD A MS91403-A1D CASE, EXCEPT THAT MS91405 - C2D BASE WILL HOLD MS91403 - C1D AND MS91403 - C2D CASES.</p> <p>2/ A MINIMUM OF TWO JUMPERS PREFERABLY LOCATED AT THE DIAGONAL CORNERS AND AT THE EXTREME ENDS OF THE BASE SHOULD BE PROVIDED.</p> <p>3/ ENTIRE STANDARD REVISED AND REDRAWN.</p>																																																												
<p>P.A. NAVY- AS</p> <p>Other Cust</p> <p>ARMY - EL</p> <p>USAF-11</p>	<p>TITLE</p> <p style="text-align: center;">BASES, MOUNTING, LARGE-SIZE (FOR USE WITH ELECTRONIC EQUIPMENT IN AIRCRAFT)</p>	<p style="text-align: center;">MILITARY STANDARD</p> <p style="text-align: center; font-size: 24pt;">MS91405</p>																																																										
<p>PROCUREMENT SPECIFICATION</p> <p>MIL-C-172</p>	<p>SUPERSEDES:</p>	<p>SHEET 1 OF 3</p>																																																										

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APPROVED 15 DEC 1953 REVISED 10 MAY 1954 11 OCT 55 11 SEPT 1958 8 DEC 1958 20 OCT 1966

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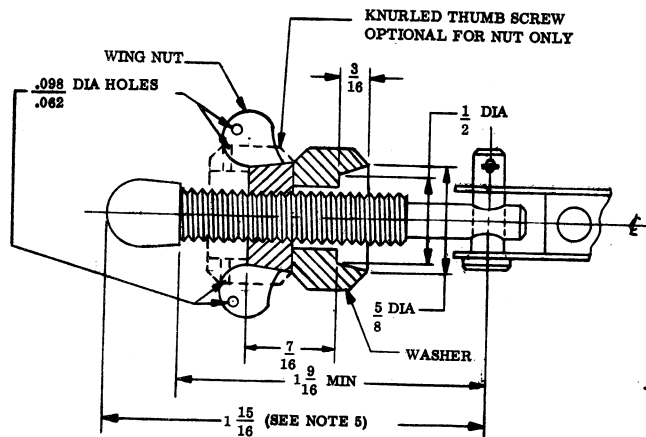
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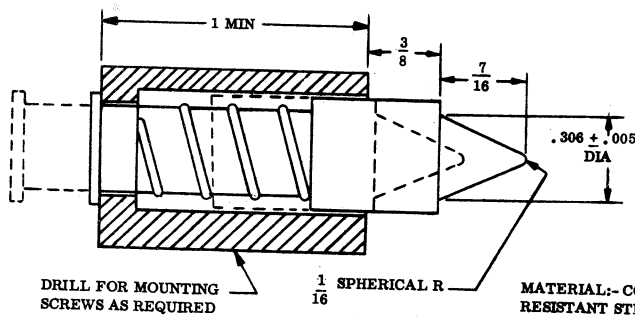
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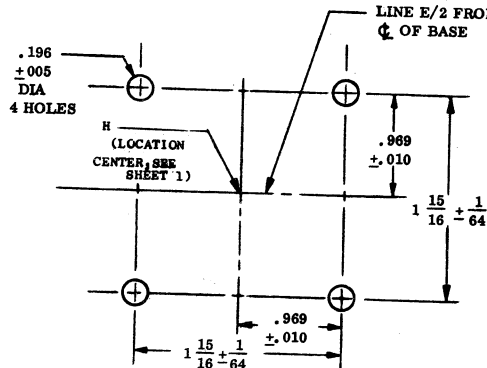
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MATERIAL:- CORROSION-RESISTANT STEEL
FRONT CLAMP ASSEMBLY



REAR PIN ASSEMBLY
(SEE NOTE 7)



TYPICAL DETAIL PLAN OF MTG HOLES

(FOR INSTALLING MOUNTING BASE IN AIRCRAFT FOR SIZE 2 MOUNTS. ONLY OUTSIDE HOLES NECESSARY WHEN BEAM-TYPE MOUNTS ARE USED) (SEE NOTE 3)

P.A. NAVY - AS Other Cust ARMY - EL USAF- 11	TITLE BASES, MOUNTING, LARGE-SIZE (FOR USE WITH ELECTRONIC EQUIPMENT IN AIRCRAFT)	MILITARY STANDARD MS 91405
PROCUREMENT SPECIFICATION MIL-C-172	SUPERSEDES:	SHEET 2

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APPROVED 15 DEC 1953 REVISED A 10 MAY 1954 B 11 OCT 1955 C SEPT 1966 D 8 DEC 1958 E FOR CHANGES SEE SHEETS 1, 2, 3

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1. ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS $\pm 1/32$. INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-8.
2. THE MANUFACTURER'S RATED LOADED HEIGHT IS NOT TO EXCEED THE SPECIFIED MAXIMUM DESIGN VALUE. THE MEASURED LOADED HEIGHT OF THE MOUNTING BASE AT MINIMUM RATED LOAD IS THE MANUFACTURER'S RATED LOADED HEIGHT $\pm 3/64$.
3. PROVIDE AS MANY MOUNTING HOLES, IN THE LOCATIONS SHOWN, AS MAY BE NECESSARY FOR SWAY SPACE. THESE HOLES ARE FOR THE STANDARDIZATION OF INSTALLATION ONLY AND ARE NOT INTENDED TO DICTATE POSITION OR TYPE OF VIBRATION MOUNTS.
4. THE FRONT CLAMP ASSEMBLY ACCOMMODATES UP TO 1/8 PANEL.
5. UNLISTED DIMENSIONS AND DETAILS OF DESIGN OPTIONAL.
6. LATERAL SWAY SPACE NOT APPLICABLE TO MS91405-A1B, MS91405-A1C, AND MS91405-A1D.
7. QUALIFICATION INSPECTION REQUIRED.
8. ALL MOUNTING BASES INCLUDE VIBRATION INSULATING ELEMENTS DESIGNED IN ACCORDANCE WITH MIL-C-172, CLASS A.
9. FOR AUTOMATIC LOCKING DEVICES SEE PROCUREMENT SPECIFICATION.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

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

P. NAVY-WP Other Code ARMY - EL USAF-11	TITLE BASES, MOUNTING, LARGE-SIZE (FOR USE WITH ELECTRONIC EQUIPMENT IN AIRCRAFT)	MILITARY STANDARD
		MS91405
PROCUREMENT SPECIFICATION MIL-C-172	SUPERSEDES:	SHEET 3

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DATE 14014

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APPROVED 15 DEC 1963
REVISED (A) 10 MAY 1954 (B) 11 OCT 1955 (C) 11 SEPT 1956 (D) 8 DEC 1958 (E) FOR CHGS, SEE SHTS 1, 2, and 3.