

MS9491					FED SUP CLASS 5306																																																																																																																																																																																																																																																
<p>MARK PART NUMBER AND MANUFACTURERS IDENTIFICATION PER AS 478 CLASS A</p> <p>VIEW A ENLARGED</p> <p>SECTION THROUGH THREAD PROFILE</p>					<p>MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)</p> <p>CHAMFER .047 X 45° APPROX</p> <p>THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 FIR</p> <p>CHAMFER 30° TO .500 DIAMETER</p> <p>3125-24 UNJF-3A MIL-B-8879</p>																																																																																																																																																																																																																																																
<p>APPROX WEIGHT LB/100</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PART NUMBER</th> <th>L</th> <th>K</th> <th>APPROX WEIGHT LB/100</th> </tr> </thead> <tbody> <tr><td>MS9491-04</td><td>.500</td><td>.088-.108</td><td>2.18</td></tr> <tr><td>MS9491-05</td><td>.562</td><td>.088-.108</td><td>2.32</td></tr> <tr><td>MS9491-06</td><td>.625</td><td>.088-.108</td><td>2.45</td></tr> <tr><td>MS9491-07</td><td>.688</td><td>.088-.108</td><td>2.59</td></tr> <tr><td>MS9491-08</td><td>.750</td><td>.088-.108</td><td>2.73</td></tr> <tr><td>MS9491-09</td><td>.812</td><td>.088-.108</td><td>2.86</td></tr> <tr><td>MS9491-10</td><td>.875</td><td>.088-.108</td><td>3.00</td></tr> <tr><td>MS9491-11</td><td>.938</td><td>.088-.108</td><td>3.13</td></tr> <tr><td>MS9491-12</td><td>1.000</td><td>.088-.125</td><td>3.27</td></tr> <tr><td>MS9491-13</td><td>1.062</td><td>.128-.188</td><td>3.40</td></tr> <tr><td>MS9491-14</td><td>1.125</td><td>.190-.250</td><td>3.54</td></tr> <tr><td>MS9491-15</td><td>1.188</td><td>.252-.312</td><td>3.67</td></tr> <tr><td>MS9491-16</td><td>1.250</td><td>.315-.375</td><td>3.81</td></tr> <tr><td>MS9491-17</td><td>1.312</td><td>.378-.438</td><td>3.94</td></tr> <tr><td>MS9491-18</td><td>1.375</td><td>.440-.500</td><td>4.08</td></tr> <tr><td>MS9491-19</td><td>1.438</td><td>.502-.562</td><td>4.21</td></tr> <tr><td>MS9491-20</td><td>1.500</td><td>.565-.625</td><td>4.35</td></tr> <tr><td>MS9491-21</td><td>1.562</td><td>.628-.688</td><td>4.48</td></tr> <tr><td>MS9491-22</td><td>1.625</td><td>.690-.750</td><td>4.62</td></tr> <tr><td>MS9491-23</td><td>1.688</td><td>.752-.812</td><td>4.76</td></tr> <tr><td>MS9491-24</td><td>1.750</td><td>.815-.875</td><td>4.89</td></tr> <tr><td>MS9491-25</td><td>1.875</td><td>.940-1.000</td><td>5.16</td></tr> <tr><td>MS9491-26</td><td>2.000</td><td>1.065-1.125</td><td>5.43</td></tr> <tr><td>MS9491-27</td><td>2.125</td><td>1.190-1.250</td><td>5.70</td></tr> <tr><td>MS9491-28</td><td>2.250</td><td>1.315-1.375</td><td>5.97</td></tr> <tr><td>MS9491-29</td><td>2.375</td><td>1.440-1.500</td><td>6.24</td></tr> <tr><td>MS9491-30</td><td>2.500</td><td>1.565-1.625</td><td>6.51</td></tr> </tbody> </table>					PART NUMBER	L	K	APPROX WEIGHT LB/100	MS9491-04	.500	.088-.108	2.18	MS9491-05	.562	.088-.108	2.32	MS9491-06	.625	.088-.108	2.45	MS9491-07	.688	.088-.108	2.59	MS9491-08	.750	.088-.108	2.73	MS9491-09	.812	.088-.108	2.86	MS9491-10	.875	.088-.108	3.00	MS9491-11	.938	.088-.108	3.13	MS9491-12	1.000	.088-.125	3.27	MS9491-13	1.062	.128-.188	3.40	MS9491-14	1.125	.190-.250	3.54	MS9491-15	1.188	.252-.312	3.67	MS9491-16	1.250	.315-.375	3.81	MS9491-17	1.312	.378-.438	3.94	MS9491-18	1.375	.440-.500	4.08	MS9491-19	1.438	.502-.562	4.21	MS9491-20	1.500	.565-.625	4.35	MS9491-21	1.562	.628-.688	4.48	MS9491-22	1.625	.690-.750	4.62	MS9491-23	1.688	.752-.812	4.76	MS9491-24	1.750	.815-.875	4.89	MS9491-25	1.875	.940-1.000	5.16	MS9491-26	2.000	1.065-1.125	5.43	MS9491-27	2.125	1.190-1.250	5.70	MS9491-28	2.250	1.315-1.375	5.97	MS9491-29	2.375	1.440-1.500	6.24	MS9491-30	2.500	1.565-1.625	6.51	<p>APPROX WEIGHT LB/100</p> <table border="1" style="width: 100%; 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<p>1. SHANK SHALL BE STRAIGHT WITHIN .003 TOTAL PER INCH OF BOLT LENGTH</p> <p>2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR</p> <p>3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .015 FIR.</p> <p>4. INCOMPLETE THREADS NOT TO ENTER FILLET</p> <p>5. MATERIAL CORROSION AND HEAT RESISTANT STEEL AMS 5731</p> <p>6. MANUFACTURING SPECIFICATION AMS 7477.</p> <p>7. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.</p> <p>8. SURFACE TEXTURE USAS B46 1-1962 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON</p> <p>9. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED</p> <p>10. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.</p> <p>11. DO NOT USE UNASSIGNED PART NUMBERS.</p>					<p>AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.</p> <p>THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION</p>																																																																																																																																																																																																																																																
<p>P 05AF - 11 INTERNATIONAL TITLE</p> <p>Other Cust</p> <p>Army - AV ASSC AIR 57D 17/2</p> <p>Navy - AS</p> <p>PROCUREMENT SPECIFICATION NONE</p> <p>SUPERSEDES</p>					<p>MILITARY STANDARD</p> <p>MS9491</p> <p>SHEET 1 OF 1</p>																																																																																																																																																																																																																																																

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This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.