

MS9924 (ASG)				FED SUP CLASS 5306																																																																																																																																																																																																																																																																											
<p>MARK PART NUMBER AND MANUFACTURER'S IDENT PER AS 478 CLASS A</p> <p>WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE</p> <p>32</p> <p>303</p> <p>219</p> <p>144 MIN</p> <p>360 MIN</p> <p>16c</p> <p>32</p> <p>325 R</p> <p>32</p> <p>140 MIN</p> <p>2 1/2 DIA</p> <p>222</p> <p>250-28 UNJT-3A MIL-S-8879</p> <p>CHAMFER .031 x 45° APPROX</p> <p>THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 FIR.</p> <p>35° MIN TO ROOT OF DOUBLE HEX</p> <p>CHAMFER 28° - 32° TO .312 DIA</p> <p>SECTION THRU THREAD PROFILE</p>																																																																																																																																																																																																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PART NO.</th> <th>L</th> <th>K</th> <th>APPROX WEIGHT LB/100</th> <th>PART NO.</th> <th>L</th> <th>K</th> <th>APPROX WEIGHT LB/100</th> <th>PART NO.</th> <th>L</th> <th>K</th> <th>APPROX WEIGHT LB/100</th> </tr> </thead> <tbody> <tr><td>MS9924-04</td><td>.375</td><td>.079-.099</td><td>1.20</td><td>MS9924-5</td><td>1.688</td><td>.875-.915</td><td>2.70</td><td>MS9924-46</td><td>4.000</td><td>3.190-3.250</td><td>5.34</td></tr> <tr><td>MS9924-05</td><td>.438</td><td>.079-.099</td><td>1.27</td><td>MS9924-26</td><td>1.750</td><td>.940-1.000</td><td>2.77</td><td>MS9924-47</td><td>4.125</td><td>3.315-3.375</td><td>5.49</td></tr> <tr><td>MS9924-06</td><td>.500</td><td>.079-.099</td><td>1.34</td><td>MS9924-27</td><td>1.812</td><td>1.002-1.062</td><td>2.84</td><td>MS9924-48</td><td>4.250</td><td>3.440-3.500</td><td>5.63</td></tr> <tr><td>MS9924-07</td><td>.562</td><td>.079-.099</td><td>1.41</td><td>MS9924-28</td><td>1.875</td><td>1.063-1.125</td><td>2.91</td><td>MS9924-49</td><td>4.375</td><td>3.565-3.625</td><td>5.77</td></tr> <tr><td>MS9924-08</td><td>.625</td><td>.079-.099</td><td>1.48</td><td>MS9924-29</td><td>1.938</td><td>1.125-1.187</td><td>2.98</td><td>MS9924-50</td><td>4.500</td><td>3.690-3.750</td><td>5.92</td></tr> <tr><td>MS9924-09</td><td>.688</td><td>.079-.099</td><td>1.55</td><td>MS9924-30</td><td>2.000</td><td>1.190-1.250</td><td>3.05</td><td>MS9924-51</td><td>4.625</td><td>3.815-3.875</td><td>6.07</td></tr> <tr><td>MS9924-10</td><td>.750</td><td>.079-.099</td><td>1.63</td><td>MS9924-31</td><td>2.062</td><td>1.251-1.315</td><td>3.12</td><td>MS9924-52</td><td>4.750</td><td>3.940-4.000</td><td>6.21</td></tr> <tr><td>MS9924-11</td><td>.812</td><td>.079-.099</td><td>1.70</td><td>MS9924-32</td><td>2.125</td><td>1.315-1.375</td><td>3.19</td><td>MS9924-53</td><td>4.875</td><td>4.065-4.125</td><td>6.34</td></tr> <tr><td>MS9924-12</td><td>.875</td><td>.079-.125</td><td>1.77</td><td>MS9924-33</td><td>2.187</td><td>1.375-1.438</td><td>3.26</td><td>MS9924-54</td><td>5.000</td><td>4.190-4.250</td><td>6.48</td></tr> <tr><td>MS9924-13</td><td>.938</td><td>.125-.158</td><td>1.84</td><td>MS9924-34</td><td>2.250</td><td>1.438-1.500</td><td>3.33</td><td>MS9924-55</td><td>5.125</td><td>4.315-4.375</td><td>6.63</td></tr> <tr><td>MS9924-14</td><td>1.000</td><td>.190-.250</td><td>1.91</td><td>MS9924-35</td><td>2.312</td><td>1.500-1.562</td><td>3.40</td><td>MS9924-56</td><td>5.250</td><td>4.440-4.500</td><td>6.77</td></tr> <tr><td>MS9924-15</td><td>1.062</td><td>.252-.312</td><td>1.98</td><td>MS9924-36</td><td>2.375</td><td>1.562-1.625</td><td>3.47</td><td>MS9924-57</td><td>5.375</td><td>4.565-4.625</td><td>6.91</td></tr> <tr><td>MS9924-16</td><td>1.125</td><td>.315-.375</td><td>2.06</td><td>MS9924-37</td><td>2.438</td><td>1.625-1.688</td><td>3.54</td><td>MS9924-58</td><td>5.500</td><td>4.690-4.750</td><td>7.06</td></tr> <tr><td>MS9924-17</td><td>1.188</td><td>.378-.438</td><td>2.13</td><td>MS9924-38</td><td>2.500</td><td>1.688-1.750</td><td>3.61</td><td>MS9924-59</td><td>5.625</td><td>4.815-4.875</td><td>7.20</td></tr> <tr><td>MS9924-18</td><td>1.250</td><td>.440-.500</td><td>2.20</td><td>MS9924-39</td><td>2.562</td><td>1.750-1.812</td><td>3.68</td><td>MS9924-60</td><td>5.750</td><td>4.940-5.000</td><td>7.34</td></tr> <tr><td>MS9924-19</td><td>1.312</td><td>.502-.562</td><td>2.27</td><td>MS9924-40</td><td>2.625</td><td>1.812-1.875</td><td>3.75</td><td>MS9924-61</td><td>5.875</td><td>5.065-5.125</td><td>7.48</td></tr> <tr><td>MS9924-20</td><td>1.375</td><td>.565-.625</td><td>2.34</td><td>MS9924-41</td><td>2.688</td><td>1.875-1.938</td><td>3.82</td><td>MS9924-62</td><td>6.000</td><td>5.190-5.250</td><td>7.63</td></tr> <tr><td>MS9924-21</td><td>1.438</td><td>.628-.688</td><td>2.41</td><td>MS9924-42</td><td>2.750</td><td>1.938-2.000</td><td>3.89</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9924-22</td><td>1.500</td><td>.690-.750</td><td>2.48</td><td>MS9924-43</td><td>2.812</td><td>2.000-2.062</td><td>3.96</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9924-23</td><td>1.562</td><td>.752-.812</td><td>2.55</td><td>MS9924-44</td><td>2.875</td><td>2.062-2.125</td><td>4.03</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9924-24</td><td>1.625</td><td>.815-.875</td><td>2.63</td><td>MS9924-45</td><td>2.938</td><td>2.125-2.188</td><td>4.10</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								PART NO.	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<p>1. SHANK SHALL BE STRAIGHT WITHIN .003 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 DOUBLE HEXAGON OD SHALL BE WITHIN .007 FIR.</p> <p>4. INCOMPLETE THREADS NOT TO ENTER FILLET</p> <p>5. MATERIAL: STEEL AMS 6322.</p> <p>6. HARDNESS: ROCKWELL C26-32.</p> <p>7. FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS SPECIFIED ARE AFTER PLATING.</p> <p>8. MANUFACTURING SPECIFICATION: AMS 7452 EXCEPT HEAD SHALL BE UPSET.</p> <p>9. HEAD TO SHANK FILLET SHALL BE COLD WORKED.</p> <p>10. MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.</p> <p>11. SURFACE TEXTURE: USAS B46.1-1962 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.</p> <p>12. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.</p> <p>13. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE DIMENSIONAL .010, ANGULAR DIMENSION .5°.</p> <p>14. DO NOT USE UNASSIGNED PART NUMBER.</p>																																																																																																																																																																																																																																																																															
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<p>P.A. USAF - 11</p> <p>Other Cost</p> <p>Navy - AS</p>		<p>TITLE</p>		<p>MILITARY STANDARD</p> <p>MS9924 (ASG)</p>																																																																																																																																																																																																																																																																											
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Review activities:
USAF - 02, 85

This military standard is approved by the Department of the Air Force and the Bureau of Naval Weapons and is mandatory for use by these activities. All other military activities are required to comply with this standard where suitable.

DD FORM 672-1 (Limited circulation)
ASG use only

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. GOVERNMENT PRINTING OFFICE: 1963 O-51793

APPROVED 15 Aug 69 REVISED