

<b>MS9752 (ASG)</b>	MARK PART NO. AND MANUFACTURER'S IDENTIFICATION PER AS-78 CLASS A		FED SUP CLASS 5306																																																																																																																																																																																																																																																																												
<table border="1"> <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>MS9752-04</td><td>.500</td><td>.088-.108</td><td>1.23</td><td>MS9752-25</td><td>1.812</td><td>.875-1.925</td><td>2.56</td><td>MS9752-46</td><td>4.375</td><td>3.440-3.500</td><td>5.12</td></tr> <tr><td>MS9752-05</td><td>.562</td><td>.088-.108</td><td>1.30</td><td>MS9752-26</td><td>1.875</td><td>1.940-2.000</td><td>2.62</td><td>MS9752-47</td><td>4.500</td><td>3.565-3.625</td><td>5.28</td></tr> <tr><td>MS9752-06</td><td>.625</td><td>.088-.108</td><td>1.36</td><td>MS9752-27</td><td>2.000</td><td>1.065-1.125</td><td>2.75</td><td>MS9752-48</td><td>4.625</td><td>3.690-3.750</td><td>5.40</td></tr> <tr><td>MS9752-07</td><td>.688</td><td>.088-.108</td><td>1.42</td><td>MS9752-28</td><td>2.125</td><td>1.190-1.250</td><td>2.88</td><td>MS9752-49</td><td>4.750</td><td>3.815-3.875</td><td>5.63</td></tr> <tr><td>MS9752-08</td><td>.750</td><td>.088-.108</td><td>1.49</td><td>MS9752-29</td><td>2.250</td><td>1.315-1.375</td><td>3.00</td><td>MS9752-50</td><td>4.875</td><td>3.940-4.000</td><td>5.66</td></tr> <tr><td>MS9752-09</td><td>.812</td><td>.088-.108</td><td>1.55</td><td>MS9752-30</td><td>2.375</td><td>1.440-1.500</td><td>3.13</td><td>MS9752-51</td><td>5.000</td><td>4.065-4.125</td><td>5.78</td></tr> <tr><td>MS9752-10</td><td>.875</td><td>.088-.108</td><td>1.61</td><td>MS9752-31</td><td>2.500</td><td>1.565-1.625</td><td>3.26</td><td>MS9752-52</td><td>5.125</td><td>4.190-4.250</td><td>5.91</td></tr> <tr><td>MS9752-11</td><td>.938</td><td>.088-.108</td><td>1.68</td><td>MS9752-32</td><td>2.625</td><td>1.690-1.750</td><td>3.38</td><td>MS9752-53</td><td>5.250</td><td>4.315-4.375</td><td>6.04</td></tr> <tr><td>MS9752-12</td><td>1.000</td><td>.088-.125</td><td>1.74</td><td>MS9752-33</td><td>2.750</td><td>1.815-1.875</td><td>3.51</td><td>MS9752-54</td><td>5.375</td><td>4.440-4.500</td><td>6.16</td></tr> <tr><td>MS9752-13</td><td>1.062</td><td>.128-.188</td><td>1.80</td><td>MS9752-34</td><td>2.875</td><td>1.940-2.000</td><td>3.63</td><td>MS9752-55</td><td>5.500</td><td>4.565-4.625</td><td>6.29</td></tr> <tr><td>MS9752-14</td><td>1.125</td><td>.190-.250</td><td>1.87</td><td>MS9752-35</td><td>3.000</td><td>2.065-2.125</td><td>3.76</td><td>MS9752-56</td><td>5.625</td><td>4.690-4.750</td><td>6.42</td></tr> <tr><td>MS9752-15</td><td>1.188</td><td>.252-.312</td><td>1.93</td><td>MS9752-36</td><td>3.125</td><td>2.190-2.250</td><td>3.89</td><td>MS9752-57</td><td>5.750</td><td>4.815-4.875</td><td>6.54</td></tr> <tr><td>MS9752-16</td><td>1.250</td><td>.315-.375</td><td>2.00</td><td>MS9752-37</td><td>3.250</td><td>2.315-2.375</td><td>4.01</td><td>MS9752-58</td><td>5.875</td><td>4.940-5.000</td><td>6.67</td></tr> <tr><td>MS9752-17</td><td>1.312</td><td>.375-.435</td><td>2.05</td><td>MS9752-38</td><td>3.375</td><td>2.440-2.500</td><td>4.14</td><td>MS9752-59</td><td>6.000</td><td>5.065-5.125</td><td>6.79</td></tr> <tr><td>MS9752-18</td><td>1.375</td><td>.440-.500</td><td>2.12</td><td>MS9752-39</td><td>3.500</td><td>2.565-2.625</td><td>4.27</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9752-19</td><td>1.438</td><td>.502-.562</td><td>2.18</td><td>MS9752-40</td><td>3.625</td><td>2.690-2.750</td><td>4.39</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9752-20</td><td>1.500</td><td>.565-.625</td><td>2.24</td><td>MS9752-41</td><td>3.750</td><td>2.815-2.875</td><td>4.52</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9752-21</td><td>1.562</td><td>.628-.688</td><td>2.31</td><td>MS9752-42</td><td>3.875</td><td>2.940-3.000</td><td>4.65</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9752-22</td><td>1.625</td><td>.690-.750</td><td>2.37</td><td>MS9752-43</td><td>4.000</td><td>3.065-3.125</td><td>4.77</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9752-23</td><td>1.688</td><td>.752-.812</td><td>2.43</td><td>MS9752-44</td><td>4.125</td><td>3.190-3.250</td><td>4.90</td><td></td><td></td><td></td><td></td></tr> <tr><td>MS9752-24</td><td>1.750</td><td>.815-.875</td><td>2.50</td><td>MS9752-45</td><td>4.250</td><td>3.315-3.375</td><td>5.03</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>				PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100	MS9752-04	.500	.088-.108	1.23	MS9752-25	1.812	.875-1.925	2.56	MS9752-46	4.375	3.440-3.500	5.12	MS9752-05	.562	.088-.108	1.30	MS9752-26	1.875	1.940-2.000	2.62	MS9752-47	4.500	3.565-3.625	5.28	MS9752-06	.625	.088-.108	1.36	MS9752-27	2.000	1.065-1.125	2.75	MS9752-48	4.625	3.690-3.750	5.40	MS9752-07	.688	.088-.108	1.42	MS9752-28	2.125	1.190-1.250	2.88	MS9752-49	4.750	3.815-3.875	5.63	MS9752-08	.750	.088-.108	1.49	MS9752-29	2.250	1.315-1.375	3.00	MS9752-50	4.875	3.940-4.000	5.66	MS9752-09	.812	.088-.108	1.55	MS9752-30	2.375	1.440-1.500	3.13	MS9752-51	5.000	4.065-4.125	5.78	MS9752-10	.875	.088-.108	1.61	MS9752-31	2.500	1.565-1.625	3.26	MS9752-52	5.125	4.190-4.250	5.91	MS9752-11	.938	.088-.108	1.68	MS9752-32	2.625	1.690-1.750	3.38	MS9752-53	5.250	4.315-4.375	6.04	MS9752-12	1.000	.088-.125	1.74	MS9752-33	2.750	1.815-1.875	3.51	MS9752-54	5.375	4.440-4.500	6.16	MS9752-13	1.062	.128-.188	1.80	MS9752-34	2.875	1.940-2.000	3.63	MS9752-55	5.500	4.565-4.625	6.29	MS9752-14	1.125	.190-.250	1.87	MS9752-35	3.000	2.065-2.125	3.76	MS9752-56	5.625	4.690-4.750	6.42	MS9752-15	1.188	.252-.312	1.93	MS9752-36	3.125	2.190-2.250	3.89	MS9752-57	5.750	4.815-4.875	6.54	MS9752-16	1.250	.315-.375	2.00	MS9752-37	3.250	2.315-2.375	4.01	MS9752-58	5.875	4.940-5.000	6.67	MS9752-17	1.312	.375-.435	2.05	MS9752-38	3.375	2.440-2.500	4.14	MS9752-59	6.000	5.065-5.125	6.79	MS9752-18	1.375	.440-.500	2.12	MS9752-39	3.500	2.565-2.625	4.27					MS9752-19	1.438	.502-.562	2.18	MS9752-40	3.625	2.690-2.750	4.39					MS9752-20	1.500	.565-.625	2.24	MS9752-41	3.750	2.815-2.875	4.52					MS9752-21	1.562	.628-.688	2.31	MS9752-42	3.875	2.940-3.000	4.65					MS9752-22	1.625	.690-.750	2.37	MS9752-43	4.000	3.065-3.125	4.77					MS9752-23	1.688	.752-.812	2.43	MS9752-44	4.125	3.190-3.250	4.90					MS9752-24	1.750	.815-.875	2.50	MS9752-45	4.250	3.315-3.375	5.03					SECTION THRU THREAD PROFILE			
PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100																																																																																																																																																																																																																																																																				
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1. SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF BOLT LENGTH. 2. THE RUNOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .005 FIR. 3. THE RUNOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .008 FIR. 4. INCOMPLETE THREADS NOT TO ENTER FILLET. 5. MATERIAL: TITANIUM AMS 4967. 6. HARDNESS: ROCKWELL C36-42. 7. MANUFACTURING SPECIFICATION: AMS 7461, EXCEPT MATERIAL AS NOTED. 8. FLUORESCENT PENETRANT INSPECTION PER AMS 2641. 9. SURFACE TEXTURE: USAS B-6.1-1962, UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 124 MICROINCHES FYCFF UPSET HEAD. 10. BREAK SHARP EDGES .003-.012 UNLESS OTHERWISE SPECIFIED. 11. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°. 12. DO NOT USE UNASSIGNED PART NUMBERS.																																																																																																																																																																																																																																																																															
AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS. THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIV.																																																																																																																																																																																																																																																																															
P.A. USAF - 11 Other Com Navy - AS		TITLE BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, TITANIUM AMS 4967, .3125-24 UNJF-3A				MILITARY STANDARD <b>MS9752</b> (ASG)		SHEET 1 OF 1																																																																																																																																																																																																																																																																							
PRECISEMENT SPECIFICATION		SUPERSEDES:																																																																																																																																																																																																																																																																													

Review activities: MS9752, 85

This military standard is approved by the Department of the Air Force and the Naval Air Systems Command and is mandatory for use by these activities. All other military activities are required to employ this standard where applicable.

DD FORM 672-1 (Limited circulation)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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APPROVED 3 Mar 69