

USER ACTIVITIES:

REVIEWER ACTIVITIES:
AIR FORCE - 82
DLA - IS

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.
This military standard is approved for use by all Departments and Agencies of the Department of Defense.
Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

FED. SUP CLASS 5306																																																																																																																																																																																																																																		
TABLE 1. DASH NUMBERS AND DIMENSIONS																																																																																																																																																																																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DASH NUMBER</th> <th>L</th> <th>K</th> <th>APPROX WEIGHT LB/100</th> </tr> </thead> <tbody> <tr><td>-04</td><td>.688</td><td>.105-.125</td><td>5.46</td></tr> <tr><td>-05</td><td>.750</td><td>.105-.125</td><td>5.70</td></tr> <tr><td>-06</td><td>.812</td><td>.105-.125</td><td>5.93</td></tr> <tr><td>-07</td><td>.875</td><td>.105-.125</td><td>6.17</td></tr> <tr><td>-08</td><td>.938</td><td>.105-.125</td><td>6.41</td></tr> <tr><td>-09</td><td>1.000</td><td>.105-.125</td><td>6.65</td></tr> <tr><td>-10</td><td>1.062</td><td>.105-.125</td><td>6.89</td></tr> <tr><td>-11</td><td>1.125</td><td>.105-.125</td><td>7.13</td></tr> <tr><td>-12</td><td>1.188</td><td>.105-.125</td><td>7.37</td></tr> <tr><td>-13</td><td>1.250</td><td>.105-.125</td><td>7.60</td></tr> <tr><td>-14</td><td>1.312</td><td>.128-.188</td><td>7.84</td></tr> <tr><td>-15</td><td>1.375</td><td>.150-.250</td><td>8.08</td></tr> <tr><td>-16</td><td>1.438</td><td>.252-.312</td><td>8.32</td></tr> <tr><td>-17</td><td>1.500</td><td>.315-.375</td><td>8.56</td></tr> <tr><td>-18</td><td>1.562</td><td>.378-.438</td><td>8.79</td></tr> <tr><td>-19</td><td>1.625</td><td>.440-.500</td><td>9.03</td></tr> <tr><td>-20</td><td>1.688</td><td>.502-.562</td><td>9.27</td></tr> <tr><td>-21</td><td>1.750</td><td>.565-.625</td><td>9.51</td></tr> </tbody> </table>	DASH NUMBER	L	K	APPROX WEIGHT LB/100	-04	.688	.105-.125	5.46	-05	.750	.105-.125	5.70	-06	.812	.105-.125	5.93	-07	.875	.105-.125	6.17	-08	.938	.105-.125	6.41	-09	1.000	.105-.125	6.65	-10	1.062	.105-.125	6.89	-11	1.125	.105-.125	7.13	-12	1.188	.105-.125	7.37	-13	1.250	.105-.125	7.60	-14	1.312	.128-.188	7.84	-15	1.375	.150-.250	8.08	-16	1.438	.252-.312	8.32	-17	1.500	.315-.375	8.56	-18	1.562	.378-.438	8.79	-19	1.625	.440-.500	9.03	-20	1.688	.502-.562	9.27	-21	1.750	.565-.625	9.51	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DASH NUMBER</th> <th>L</th> <th>K</th> <th>APPROX WEIGHT LB/100</th> </tr> </thead> <tbody> <tr><td>-22</td><td>1.812</td><td>.627-.687</td><td>9.75</td></tr> <tr><td>-23</td><td>1.875</td><td>.690-.750</td><td>9.99</td></tr> <tr><td>-24</td><td>2.000</td><td>.815-.875</td><td>10.46</td></tr> <tr><td>-25</td><td>2.125</td><td>.940-1.000</td><td>10.94</td></tr> <tr><td>-26</td><td>2.250</td><td>1.065-1.125</td><td>11.42</td></tr> <tr><td>-27</td><td>2.375</td><td>1.190-1.250</td><td>11.89</td></tr> <tr><td>-28</td><td>2.500</td><td>1.315-1.375</td><td>12.37</td></tr> <tr><td>-29</td><td>2.625</td><td>1.440-1.500</td><td>12.85</td></tr> <tr><td>-30</td><td>2.750</td><td>1.565-1.625</td><td>13.32</td></tr> <tr><td>-31</td><td>2.875</td><td>1.690-1.750</td><td>13.80</td></tr> <tr><td>-32</td><td>3.000</td><td>1.815-1.875</td><td>14.28</td></tr> <tr><td>-33</td><td>3.125</td><td>1.940-2.000</td><td>14.75</td></tr> <tr><td>-34</td><td>3.250</td><td>2.065-2.125</td><td>15.23</td></tr> <tr><td>-35</td><td>3.375</td><td>2.190-2.250</td><td>15.71</td></tr> <tr><td>-36</td><td>3.500</td><td>2.315-2.375</td><td>16.18</td></tr> <tr><td>-37</td><td>3.625</td><td>2.440-2.500</td><td>16.66</td></tr> <tr><td>-38</td><td>3.750</td><td>2.565-2.625</td><td>17.14</td></tr> <tr><td>-39</td><td>3.875</td><td>2.690-2.750</td><td>17.61</td></tr> </tbody> </table>	DASH NUMBER	L	K	APPROX WEIGHT LB/100	-22	1.812	.627-.687	9.75	-23	1.875	.690-.750	9.99	-24	2.000	.815-.875	10.46	-25	2.125	.940-1.000	10.94	-26	2.250	1.065-1.125	11.42	-27	2.375	1.190-1.250	11.89	-28	2.500	1.315-1.375	12.37	-29	2.625	1.440-1.500	12.85	-30	2.750	1.565-1.625	13.32	-31	2.875	1.690-1.750	13.80	-32	3.000	1.815-1.875	14.28	-33	3.125	1.940-2.000	14.75	-34	3.250	2.065-2.125	15.23	-35	3.375	2.190-2.250	15.71	-36	3.500	2.315-2.375	16.18	-37	3.625	2.440-2.500	16.66	-38	3.750	2.565-2.625	17.14	-39	3.875	2.690-2.750	17.61	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DASH NUMBER</th> <th>L</th> <th>K</th> <th>APPROX WEIGHT LB/100</th> </tr> </thead> <tbody> <tr><td>-40</td><td>4.000</td><td>2.815-2.875</td><td>18.09</td></tr> <tr><td>-41</td><td>4.125</td><td>2.940-3.000</td><td>18.57</td></tr> <tr><td>-42</td><td>4.250</td><td>3.065-3.125</td><td>19.04</td></tr> <tr><td>-43</td><td>4.375</td><td>3.190-3.250</td><td>19.52</td></tr> <tr><td>-44</td><td>4.500</td><td>3.315-3.375</td><td>19.99</td></tr> <tr><td>-45</td><td>4.625</td><td>3.440-3.500</td><td>20.47</td></tr> <tr><td>-46</td><td>4.750</td><td>3.565-3.625</td><td>20.95</td></tr> <tr><td>-47</td><td>4.875</td><td>3.690-3.750</td><td>21.42</td></tr> <tr><td>-48</td><td>5.000</td><td>3.815-3.875</td><td>21.90</td></tr> <tr><td>-49</td><td>5.125</td><td>3.940-4.000</td><td>22.38</td></tr> <tr><td>-50</td><td>5.250</td><td>4.065-4.125</td><td>22.85</td></tr> <tr><td>-51</td><td>5.375</td><td>4.190-4.250</td><td>23.33</td></tr> <tr><td>-52</td><td>5.500</td><td>4.315-4.375</td><td>23.81</td></tr> <tr><td>-53</td><td>5.625</td><td>4.440-4.500</td><td>24.28</td></tr> <tr><td>-54</td><td>5.750</td><td>4.565-4.625</td><td>24.76</td></tr> <tr><td>-55</td><td>5.875</td><td>4.690-4.750</td><td>25.24</td></tr> <tr><td>-56</td><td>6.000</td><td>4.815-4.875</td><td>25.71</td></tr> </tbody> </table>	DASH NUMBER	L	K	APPROX WEIGHT LB/100	-40	4.000	2.815-2.875	18.09	-41	4.125	2.940-3.000	18.57	-42	4.250	3.065-3.125	19.04	-43	4.375	3.190-3.250	19.52	-44	4.500	3.315-3.375	19.99	-45	4.625	3.440-3.500	20.47	-46	4.750	3.565-3.625	20.95	-47	4.875	3.690-3.750	21.42	-48	5.000	3.815-3.875	21.90	-49	5.125	3.940-4.000	22.38	-50	5.250	4.065-4.125	22.85	-51	5.375	4.190-4.250	23.33	-52	5.500	4.315-4.375	23.81	-53	5.625	4.440-4.500	24.28	-54	5.750	4.565-4.625	24.76	-55	5.875	4.690-4.750	25.24	-56	6.000	4.815-4.875	25.71
DASH NUMBER	L	K	APPROX WEIGHT LB/100																																																																																																																																																																																																																															
-04	.688	.105-.125	5.46																																																																																																																																																																																																																															
-05	.750	.105-.125	5.70																																																																																																																																																																																																																															
-06	.812	.105-.125	5.93																																																																																																																																																																																																																															
-07	.875	.105-.125	6.17																																																																																																																																																																																																																															
-08	.938	.105-.125	6.41																																																																																																																																																																																																																															
-09	1.000	.105-.125	6.65																																																																																																																																																																																																																															
-10	1.062	.105-.125	6.89																																																																																																																																																																																																																															
-11	1.125	.105-.125	7.13																																																																																																																																																																																																																															
-12	1.188	.105-.125	7.37																																																																																																																																																																																																																															
-13	1.250	.105-.125	7.60																																																																																																																																																																																																																															
-14	1.312	.128-.188	7.84																																																																																																																																																																																																																															
-15	1.375	.150-.250	8.08																																																																																																																																																																																																																															
-16	1.438	.252-.312	8.32																																																																																																																																																																																																																															
-17	1.500	.315-.375	8.56																																																																																																																																																																																																																															
-18	1.562	.378-.438	8.79																																																																																																																																																																																																																															
-19	1.625	.440-.500	9.03																																																																																																																																																																																																																															
-20	1.688	.502-.562	9.27																																																																																																																																																																																																																															
-21	1.750	.565-.625	9.51																																																																																																																																																																																																																															
DASH NUMBER	L	K	APPROX WEIGHT LB/100																																																																																																																																																																																																																															
-22	1.812	.627-.687	9.75																																																																																																																																																																																																																															
-23	1.875	.690-.750	9.99																																																																																																																																																																																																																															
-24	2.000	.815-.875	10.46																																																																																																																																																																																																																															
-25	2.125	.940-1.000	10.94																																																																																																																																																																																																																															
-26	2.250	1.065-1.125	11.42																																																																																																																																																																																																																															
-27	2.375	1.190-1.250	11.89																																																																																																																																																																																																																															
-28	2.500	1.315-1.375	12.37																																																																																																																																																																																																																															
-29	2.625	1.440-1.500	12.85																																																																																																																																																																																																																															
-30	2.750	1.565-1.625	13.32																																																																																																																																																																																																																															
-31	2.875	1.690-1.750	13.80																																																																																																																																																																																																																															
-32	3.000	1.815-1.875	14.28																																																																																																																																																																																																																															
-33	3.125	1.940-2.000	14.75																																																																																																																																																																																																																															
-34	3.250	2.065-2.125	15.23																																																																																																																																																																																																																															
-35	3.375	2.190-2.250	15.71																																																																																																																																																																																																																															
-36	3.500	2.315-2.375	16.18																																																																																																																																																																																																																															
-37	3.625	2.440-2.500	16.66																																																																																																																																																																																																																															
-38	3.750	2.565-2.625	17.14																																																																																																																																																																																																																															
-39	3.875	2.690-2.750	17.61																																																																																																																																																																																																																															
DASH NUMBER	L	K	APPROX WEIGHT LB/100																																																																																																																																																																																																																															
-40	4.000	2.815-2.875	18.09																																																																																																																																																																																																																															
-41	4.125	2.940-3.000	18.57																																																																																																																																																																																																																															
-42	4.250	3.065-3.125	19.04																																																																																																																																																																																																																															
-43	4.375	3.190-3.250	19.52																																																																																																																																																																																																																															
-44	4.500	3.315-3.375	19.99																																																																																																																																																																																																																															
-45	4.625	3.440-3.500	20.47																																																																																																																																																																																																																															
-46	4.750	3.565-3.625	20.95																																																																																																																																																																																																																															
-47	4.875	3.690-3.750	21.42																																																																																																																																																																																																																															
-48	5.000	3.815-3.875	21.90																																																																																																																																																																																																																															
-49	5.125	3.940-4.000	22.38																																																																																																																																																																																																																															
-50	5.250	4.065-4.125	22.85																																																																																																																																																																																																																															
-51	5.375	4.190-4.250	23.33																																																																																																																																																																																																																															
-52	5.500	4.315-4.375	23.81																																																																																																																																																																																																																															
-53	5.625	4.440-4.500	24.28																																																																																																																																																																																																																															
-54	5.750	4.565-4.625	24.76																																																																																																																																																																																																																															
-55	5.875	4.690-4.750	25.24																																																																																																																																																																																																																															
-56	6.000	4.815-4.875	25.71																																																																																																																																																																																																																															
(A) ENTIRE STANDARD REVISED																																																																																																																																																																																																																																		
P. A. NAVY-AS Other: Coast ARMY- AV AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, SILVER PLATED, CORROSION AND HEAT RESISTANT STEEL, 4375-20 UNJF-3A	MILITARY STANDARD MS9718																																																																																																																																																																																																																															
PROCUREMENT SPECIFICATION AMS.7471		SUPERSEDES:	PAGE 1 OF 2																																																																																																																																																																																																																															

AMSC N/A

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0950
E25-187-3

APPROVED 3 MAR 69 REVISED 24 FEB 86

USER ACTIVITIES:

REVIEWER ACTIVITIES:
AIR FORCE-82
DLA-15

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

FED. SUP. CLASS
5 3 0 6

REQUIREMENTS:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL IN ACCORDANCE WITH AMS 5708.
2. FINISH: SILVER PLATE IN ACCORDANCE WITH AMS 2410, .0002-.0006 THICK AT THREAD PD. DIMENSIONS SPECIFIED ARE AFTER PLATING.
3. THREADS: THREADS IN ACCORDANCE WITH MIL-S-8879. INCOMPLETE THREADS NOT TO ENTER FILLET.
4. WRENCHING CONFIGURATION: WRENCHING CONFIGURATION IN ACCORDANCE WITH AS 870.
5. DIMENSIONING AND TOLERANCING: DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
6. SURFACE TEXTURE: SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICROINCHES EXCEPT UPSET HEAD IN ACCORDANCE WITH ANSI B46.1.
7. FLUORESCENT PENETRANT INSPECTION: FLUORESCENT PENETRANT INSPECTION SHALL BE IN ACCORDANCE WITH AMS 2645-83, BEFORE PLATING.
8. HEAD TO SHANK FILLET: HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS EXCEPT DASH NUMBER SIZES -15 AND SMALLER.
9. MARKING: MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH AS 478-79, CLASS A.
10. TOLERANCES: UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
11. EDGES: BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
12. PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE 1.

EXAMPLE: MS9718-04

```

      |
      |----- DASH NUMBER
      |
      |----- BASIC MS NUMBER
  
```

MS9718-04 INDICATES: BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, SILVER PLATED, .4375-20 UNJF-3A, LENGTH .686

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. DO NOT USE UNASSIGNED PART NUMBERS.
3. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
4. REFERENCED GOVERNMENT (OR NONGOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DDOISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
5. THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE SAE AEROSPACE PROPULSION DIVISION.
6. AS AND AMS ARE SAE PUBLICATIONS.

APPROVED 3 MAR 69 REVISED ④ FOR CHANGES SEE PAGE 1 AND 2

P. A. NAVY-AS Other Cost ARMY-AV AIR FORCE-99	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE - DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, SILVER PLATED, CORROSION AND HEAT RESISTANT STEEL, 4375-20 UNJF-3A	MILITARY STANDARD MS9718
PROCUREMENT SPECIFICATION AMS 7471	SUPERSEDES:	PAGE 2 OF 2	

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0950
E25-187-3