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> THIRD ANGLE PROJECTION SSUED

PREPARED BY SAE COMMITTEE E-25

**AEROSPACE STANDARD** 

BOLT, MACHINE - STEEL AMS 6304, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, .4375-20 UNJF-3A

AS9212 SHEET 1 OF 3

PROCUREMENT SPECIFICATION: NONE

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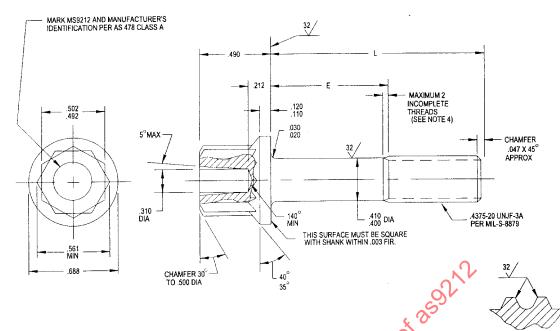


FIGURE I.

TABLE I. PART NUMBERS AND DIMENSIONS

Name				10000	1 -		T		APPROX
MS9212-04   688   .105125   5.05   MS9212-26   2.250   1.065-1.125   10.85     MS9212-05   .750   .105125   5.28   MS9212-26   2.375   1.190-1.250   11.32     MS9212-06   .812   .105125   5.51   MS9212-27   2.500   1.315-1.375   11.79     MS9212-07   .875   .105125   5.74   MS9212-28   2.625   1.440-1.500   12.26     MS9212-08   .938   .105125   5.97   MS9212-29   2.750   1.565-1.625   12.72     MS9212-09   .1000   .105125   6.20   MS9212-30   2.875   1.690-1.750   13.19     MS9212-10   .1062   .105125   6.43   MS9212-31   3.000   1.815-1.875   13.66     MS9212-11   .1.125   .105125   6.67   MS9212-32   3.125   1.940-2.000   14.12     MS9212-12   1.188   .105125   6.90   MS9212-33   3.250   2.065-2.125   14.59     MS9212-13   1.250   .12546   7.13   MS9212-34   3.375   2.190-2.250   15.06     MS9212-14   1.312   .128188   7.36   MS9212-36   3.625   2.440-2.500   15.99     MS9212-16   1.438   .252312   7.82   MS9212-36   3.625   2.440-2.500   15.99     MS9212-18   1.562   .378438   8.27   MS9212-39   4.000   2.8152875   17.39     MS9212-19   .688   .502562   8.73   MS9212-40   4.125   2.940-3.000   17.85     MS9212-22   1.875   .690750   9.43   MS9212-44   4.500   3.315-3.375   19.31     MS9212-22   1.875   .690750   9.43   MS9212-44   4.625   3.440-3.500   19.66     MS9212-24   4.625   3.440-3.500   19.66				APPROX				.,	
MS9212-04         688         .105125         5.05           MS9212-05         .750         .105125         5.28         MS9212-26         2.375         1.1901250         11.32           MS9212-06         .812         .105125         5.28         MS9212-27         2.500         1.3151375         11.79           MS9212-07         .875         .105125         5.74         MS9212-28         2.625         1.4401500         12.26           MS9212-08         .938         .105125         5.97         MS9212-29         2.750         1.5651625         12.72           MS9212-10         1.000         .105125         6.20         MS9212-30         2.875         1.6901750         13.19           MS9212-11         1.062         .105125         6.43         MS9212-31         3.000         1.8151875         13.66           MS9212-12         1.188         .105125         6.67         MS9212-31         3.000         1.8151875         14.59           MS9212-13         1.250         .125485         7.13         MS9212-34         3.375         2.1902250         15.06           MS9212-13         1.312         .1312         MS9212-34         3.350         2.3152375 <th< td=""><td>PART NO</td><td>L</td><td>K</td><td></td><td></td><td>PART NO.</td><td>  L  </td><td>ĸ</td><td></td></th<>	PART NO	L	K			PART NO.	L	ĸ	
MS9212-05         .750         .105125         5.28         MS9212-26         2.375         1.1901250         11.32           MS9212-06         .812         .105125         5.51         MS9212-27         2.500         1.3151375         11.79           MS9212-07         .875         .105125         5.74         MS9212-28         2.625         1.440-1.500         12.26           MS9212-08         .938         .105125         5.97         MS9212-30         2.875         1.565-1.625         12.72           MS9212-10         1.000         .105125         6.20         MS9212-30         2.875         1.690-1.750         13.19           MS9212-11         1.125         .105125         6.43         MS9212-31         3.000         1.815-1.875         13.66           MS9212-12         1.188         .105125         6.67         MS9212-32         3.125         1.940-2.000         14.12           MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.0652.125         14.59           MS9212-13         1.250         .125465         7.13         MS9212-34         3.375         2.1902.250         15.06           MS9212-15         1.375				LB/100	L	0			
MS9212-06         .812         .105125         5.51         MS9212-27         2.500         1.3151.375         11.79           MS9212-07         .875         .105125         5.74         MS9212-28         2.625         1.440-1.500         12.26           MS9212-08         .938         .105125         5.97         MS9212-29         2.750         1.565-1.625         12.72           MS9212-09         1.000         .105125         6.20         MS9212-30         2.875         1.690-1.750         13.19           MS9212-10         1.062         .105125         6.43         MS9212-31         3.000         1.815-1.875         13.66           MS9212-11         1.125         .105125         6.67         MS9212-31         3.000         1.815-1.875         13.66           MS9212-12         1.188         .105125         6.67         MS9212-33         3.250         2.0652.125         14.59           MS9212-13         1.250         .125465         7.13         MS9212-34         3.375         2.1902.250         15.06           MS9212-13         1.312         .128488         7.36         MS9212-34         3.375         2.1902.250         15.99           MS9212-16         1.438	MS9212-04	.688	.105125	5.05	30	MS9212-25			
MS9212-06         .812         .105125         5.51         MS9212-27         2.500         1.315-1.375         11.79           MS9212-07         .875         .105125         5.74         MS9212-28         2.625         1.440-1.500         12.26           MS9212-08         .938         .105125         5.97         MS9212-29         2.750         1.565-1.625         12.72           MS9212-10         1.000         .105125         6.20         MS9212-30         2.875         1.690-1.750         13.19           MS9212-11         1.125         .105125         6.43         MS9212-31         3.000         1.815-1.875         13.66           MS9212-12         1.188         .105125         6.67         MS9212-32         3.125         1.940-2.000         14.12           MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.0652125         14.59           MS9212-13         1.250         .125465         7.13         MS9212-34         3.375         2.1902250         15.06           MS9212-15         1.375         .190250         7.59         MS9212-35         3.500         2.3152375         15.52           MS9212-16         1.438	MS9212-05	.750	.105125	5.28	. XC	MS9212-26	2.375	1.190- 1.250	1
MS9212-07         .875         .105125         5.74         MS9212-28         2.625         1.440-1.500         12.26           MS9212-09         .938         .105125         5.97         MS9212-29         2.750         1.565-1.625         12.72           MS9212-10         1.062         .105125         6.20         MS9212-31         3.000         1.815-1.875         13.66           MS9212-11         1.125         .105125         6.67         MS9212-32         3.125         1.940-2.000         14.12           MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.065-2.125         14.59           MS9212-13         1.250         .125146         7.13         MS9212-34         3.375         2.1902.250         15.06           MS9212-14         1.312         .128138         7.36         MS9212-35         3.500         2.3152.375         15.52           MS9212-15         1.375         .190250         7.59         MS9212-36         3.625         2.4402.500         15.99           MS9212-16         1.438         .252312         7.82         MS9212-37         3.750         2.5652.625         16.45           MS9212-19         1.562			.105125	5,51	7	MS9212-27	2.500	1.315- 1.375	11.79
MS9212-08 MS9212-09         .938 .105125         .105125 .105125         5.97 .6.20         MS9212-29 .875         2.750 .1.6901.750         1.5651.625 .1.6901.750         12.72 .13.19           MS9212-10 MS9212-11 MS9212-12         1.062 .105125         .105125 .6.67         6.43 .105125         MS9212-31 .6.67         3.000 .1.8151.875         13.66 .1.8451.875         13.66 .1.8451.8451.845         13.66 .1.8451.8451.845         13.66 .1.8451.84	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			.01	•				
MS9212-08         .938         .105125         5.97         MS9212-29         2.750         1.565 - 1.625         12.72           MS9212-09         1.000         .105125         6.20         MS9212-30         2.875         1.690 - 1.750         13.19           MS9212-10         1.062         .105125         6.43         MS9212-31         3.000         1.815 - 1.875         13.66           MS9212-11         1.125         .105125         6.67         MS9212-32         3.125         1.940 - 2.000         14.12           MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.065 - 2.125         14.59           MS9212-13         1.250         .125445         7.13         MS9212-34         3.375         2.190 - 2.250         15.06           MS9212-14         1.312         .128 . 188         7.36         MS9212-35         3.500         2.315 - 2.375         15.52           MS9212-15         1.375         .190250         7.59         MS9212-36         3.625         2.440 - 2.500         15.99           MS9212-16         1.438         .252312         7.82         MS9212-37         3.750         2.565 - 2.625         16.45           MS9212-18	MS9212-07	875	105- 125	5.74		MS9212-28	2.625	1.440-1.500	12.26
MS9212-09         1.000         .105125         6.20         MS9212-30         2.875         1.690-1.750         13.19           MS9212-10         1.062         .105125         6.43         MS9212-31         3.000         1.815-1.875         13.66           MS9212-11         1.125         .105125         6.67         MS9212-32         3.125         1.940-2.000         14.12           MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.065-2.125         14.59           MS9212-13         1.250         .125445         7.13         MS9212-34         3.375         2.1902.250         15.06           MS9212-14         1.312         .128188         7.36         MS9212-35         3.500         2.3152.375         15.52           MS9212-15         1.375         .190250         7.59         MS9212-36         3.625         2.4402.500         15.99           MS9212-16         1.438         252312         7.82         MS9212-37         3.750         2.5652.625         16.45           MS9212-18         1.562         .378438         8.27         MS9212-39         4.000         2.8152.875         17.39           MS9212-20						MS9212-29	2.750	1.565- 1.625	12.72
MS9212-10 MS9212-11         1.062 1.125         1.05125 1.05125         6.43 6.67 6.90         MS9212-31 MS9212-32         3.000 3.125 1.940- 2.000         1.815- 1.875 1.940- 2.000         13.66 1.940- 2.000         14.12 1.940- 2.000         15.06 15.06 15.06 15.06 15.02 15.06 15.06 15.06 15.02 15.06 15.06 15.06 15.06 15.06 15.06 15.06 16.92 17.39         15.06 15.06 15.06 15.06 15.06 15.06 16.92 17.39         15.06 16.92 17.39         15.06 16.92 17.39         16.92 16.92 17.39         16.92 17.39         17.85 17.39         17.85 18.31 18.31 18.31 18.31 18.31 18.31 18.31 18.32 18.35         18.31 18		1				MS9212-30	2.875	1.690- 1.750	13.19
MS9212-10         1.002         1.005-125         6.67         MS9212-32         3.125         1.940-2.000         14.12           MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.065-2.125         14.59           MS9212-13         1.250         .125446         7.13         MS9212-34         3.375         2.190-2.250         15.06           MS9212-14         1.312         .128188         7.36         MS9212-35         3.500         2.315-2.375         15.52           MS9212-15         1.375         .190250         7.59         MS9212-36         3.625         2.440-2.500         15.99           MS9212-16         1.438         .252312         7.82         MS9212-37         3.750         2.565-2.625         16.45           MS9212-17         1.500         .315375         8.05         MS9212-38         3.875         2.690-2.750         16.92           MS9212-18         1.562         .440500         8.50         MS9212-39         4.000         2.8152875         17.39           MS9212-20         1.688         .502562         8.73         MS9212-40         4.125         2.940-3.000         17.85           MS9212-22         1.875	10133212-03	1,000	.100 .120	<b>V</b>	1				Í
MS9212-11         1.125         .105125         6.67         MS9212-32         3.125         1.9402.000         14.12           MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.0652.125         14.59           MS9212-13         1.250         .125485         7.13         MS9212-34         3.375         2.1902.250         15.06           MS9212-14         1.312         .128188         7.36         MS9212-35         3.500         2.3152.375         15.52           MS9212-15         1.375         .190250         7.59         MS9212-36         3.625         2.4402.500         15.99           MS9212-16         1.438         .252312         7.82         MS9212-37         3.750         2.5652.625         16.45           MS9212-17         1.500         .315375         8.05         MS9212-38         3.875         2.6902.750         16.92           MS9212-18         1.562         .378438         8.27         MS9212-39         4.000         2.8152.875         17.39           MS9212-19         1.688         .502562         8.73         MS9212-40         4.125         2.9403.000         17.85           MS9212-21         1.750 </td <td>MS0212 10</td> <td>1.062</td> <td>105- 125</td> <td>6 43</td> <td></td> <td>MS9212-31</td> <td>3.000</td> <td>1.815- 1.875</td> <td>13.66</td>	MS0212 10	1.062	105- 125	6 43		MS9212-31	3.000	1.815- 1.875	13.66
MS9212-12         1.188         .105125         6.90         MS9212-33         3.250         2.065 - 2.125         14.59           MS9212-13         1.250         .125465         7.13         MS9212-34         3.375         2.190 - 2.250         15.06           MS9212-14         1.312         .128 . 188         7.36         MS9212-35         3.500         2.315 - 2.375         15.52           MS9212-15         1.375         .190250         7.59         MS9212-36         3.625         2.440 - 2.500         15.99           MS9212-16         1.438         .252312         7.82         MS9212-37         3.750         2.565 - 2.625         16.45           MS9212-17         1.500         .315375         8.05         MS9212-38         3.875         2.690 - 2.750         16.92           MS9212-18         1.562         .378438         8.27         MS9212-39         4.000         2.815 - 2.875         17.39           MS9212-19         1.688         .502562         8.73         MS9212-40         4.125         2.940 - 3.000         17.85           MS9212-21         1.750         .565625         8.96         MS9212-43         4.375         3.190 - 3.250         18.75           MS9212-2						MS9212-32	3.125	1.940- 2.000	14.12
MS9212-13         1.250         .125-485         7.13         MS9212-34         3.375         2.190-2.250         15.06           MS9212-14         1.312         .128-188         7.36         MS9212-35         3.500         2.315-2.375         15.52           MS9212-15         1.375         .190-250         7.59         MS9212-36         3.625         2.440-2.500         15.99           MS9212-16         1.438         252-312         7.82         MS9212-37         3.750         2.565-2.625         16.45           MS9212-17         1.500         315-375         8.05         MS9212-38         3.875         2.690-2.750         16.92           MS9212-18         1.562         .378-438         8.27         MS9212-39         4.000         2.815-2.875         17.39           MS9212-19         625         .440-500         8.50         MS9212-40         4.125         2.940-3.000         17.85           MS9212-20-10         1.688         .502-562         8.73         MS9212-41         4.250         3.065-3.125         18.31           MS9212-21         1.750         .565-625         8.96         MS9212-43         4.500         3.315-3.375         19.31           MS9212-23         2.000         .81	1			/			3.250	2.065- 2.125	14.59
MS9212-14         1.230	10139212-12	1.100	,103125	0.00					
MS9212-14 MS9212-15         1.312 1.375         .128-188 190250         7.36 7.59         MS9212-35 MS9212-36         3.500 3.625         2.315-2.375 2.440-2.500         15.52 15.99           MS9212-16 MS9212-17         1.438 1.500 1.562         252-312 315-375 315-375         7.82 8.05 8.05 MS9212-38         MS9212-37 3.875 MS9212-38         3.750 3.875 3.875 3.875 3.875         2.565-2.625 2.690-2.750 2.815-2.875         16.92 2.815-2.875           MS9212-18 MS9212-19 MS9212-20 MS9212-20 1.688 MS9212-21         .440500 1.688 502562         8.50 8.73 8.96         MS9212-40 MS9212-41 4.375         4.125 3.065-3.125 3.190-3.250         2.940-3.000 3.065-3.125 18.31 3.190-3.250         17.85 18.31 3.190-3.250           MS9212-22 MS9212-23         1.875 2.000         690750 815875         9.43 9.90         MS9212-43 MS9212-44         4.500 4.625         3.315-3.375 3.440-3.500         19.31 19.66	MS9212-13	1 250	125- 445	7.13		MS9212-34	3.375	2.190- 2.250	15.06
MS9212-15         1.375         .190-).250         7.59         MS9212-36         3.625         2.440- 2.500         15.99           MS9212-16         1.438         .252312         7.82         MS9212-37         3.750         2.565- 2.625         16.45           MS9212-17         1.500         .315375         8.05         MS9212-38         3.875         2.690- 2.750         16.92           MS9212-18         1.562         .378438         8.27         MS9212-39         4.000         2.815- 2.875         17.39           MS9212-19         1625         .440500         8.50         MS9212-40         4.125         2.940- 3.000         17.85           MS9212-20         1.688         .502562         8.73         MS9212-41         4.250         3.065- 3.125         18.31           MS9212-21         1.750         .565625         8.96         MS9212-42         4.375         3.190- 3.250         18.75           MS9212-22         1.875         .690750         9.43         MS9212-43         4.500         3.315- 3.375         19.31           MS9212-23         2.000         .815875         9.90         MS9212-44         4.625         3.440- 3.500         19.66						MS9212-35	3.500	2.315- 2.375	15.52
MS9212-16         1.438         252312         7.82         MS9212-37         3.750         2.565- 2.625         16.45           MS9212-17         1.500         .315375         8.05         MS9212-38         3.875         2.690- 2.750         16.92           MS9212-18         1.562         .378438         8.27         MS9212-39         4.000         2.815- 2.875         17.39           MS9212-19         1.625         .440500         8.50         MS9212-40         4.125         2.940- 3.000         17.85           MS9212-20         1.688         .502562         8.73         MS9212-41         4.250         3.065- 3.125         18.31           MS9212-21         1.750         .565625         8.96         MS9212-42         4.375         3.190- 3.250         18.75           MS9212-22         1.875         .690750         9.43         MS9212-43         4.500         3.315- 3.375         19.31           MS9212-23         2.000         .815875         9.90         MS9212-44         4.625         3.440- 3.500         19.66				7.59		MS9212-36	3.625	2.440- 2.500	15.99
MS9212-17         1.500         315- 375         8.05         MS9212-38         3.875         2.690- 2.750         16.92           MS9212-18         1.562         378- 438         8.27         MS9212-39         4.000         2.815- 2.875         17.39           MS9212-19         625         .440500         8.50         MS9212-40         4.125         2.940- 3.000         17.85           MS9212-20         1.688         .502562         8.73         MS9212-41         4.250         3.065- 3.125         18.31           MS9212-21         1.750         .565625         8.96         MS9212-42         4.375         3.190- 3.250         18.75           MS9212-22         1.875         .690750         9.43         MS9212-43         4.500         3.315- 3.375         19.31           MS9212-23         2.000         .815875         9.90         MS9212-44         4.625         3.440- 3.500         19.66	10103212-10	1.575	.1001.200						
MS9212-17         1.500         .315375         8.05         MS9212-38         3.875         2.6902.750         16.92           MS9212-18         1.562         .378438         8.27         MS9212-39         4.000         2.8152.875         17.39           MS9212-19         625         .440500         8.50         MS9212-40         4.125         2.940-3.000         17.85           MS9212-20         1.688         .502562         8.73         MS9212-41         4.250         3.0653.125         18.31           MS9212-21         1.750         .565625         8.96         MS9212-42         4.375         3.1903.250         18.75           MS9212-22         1.875         .690750         9.43         MS9212-43         4.500         3.3153.375         19.31           MS9212-23         2.000         .815875         9.90         MS9212-44         4.625         3.4403.500         19.66	MS0212-16	1 438	252- 312	7.82		MS9212-37	3.750	2.565- 2.625	16.45
MS9212-18     1.562     .378438     8.27     MS9212-39     4.000     2.815- 2.875     17.39       MS9212-19     1.625     .440500     8.50     MS9212-40     4.125     2.940- 3.000     17.85       MS9212-20     1.688     .502562     8.73     MS9212-41     4.250     3.065- 3.125     18.31       MS9212-21     1.750     .565625     8.96     MS9212-42     4.375     3.190- 3.250     18.75       MS9212-22     1.875     .690750     9.43     MS9212-43     4.500     3.315- 3.375     19.31       MS9212-23     2.000     .815875     9.90     MS9212-44     4.625     3.440- 3.500     19.66		1	V-2	–		MS9212-38	3.875	2.690- 2.750	16.92
MS9212-19		1 (	A TOTAL CONTRACTOR OF THE PROPERTY OF THE PROP	ì		MS9212-39	4,000	2.815- 2.875	17.39
MS9212-20 1.688 .502562 8.73 MS9212-41 4.250 3.065- 3.125 18.31 MS9212-21 1.750 .565625 8.96 MS9212-42 4.375 3.190- 3.250 18.75 MS9212-22 1.875 .690750 9.43 MS9212-43 4.500 3.315- 3.375 19.31 MS9212-23 2.000 .815875 9.90 MS9212-44 4.625 3.440- 3.500 19.66	10139212-10	1.502	,570100	1,					
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