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THIRD ANGLE PROJECTION

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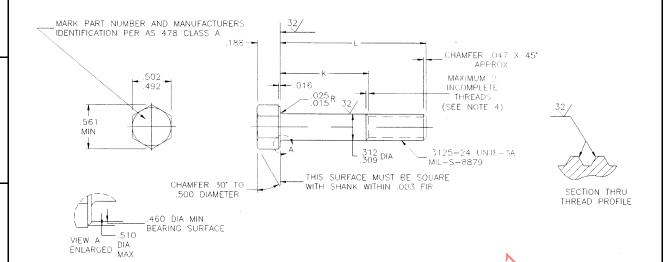
PREPARED BY COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

**SAE** Aerospace

**AEROSPACE STANDARD** BOLT, MACHINE - HEXAGON HEAD, FULL SHANK AMS 5731, .3125-24 UNJF-3A

AS9491 SHEET 1 OF 3



|             |        |                 | 45555    |                      |       |             |        |  |  |
|-------------|--------|-----------------|----------|----------------------|-------|-------------|--------|--|--|
|             |        |                 | APPROX   |                      |       | . 0         | APPROX |  |  |
| PART        | L      | K               | WEIGHT   | PART                 | L     | K KP        | WEIGHT |  |  |
| NO.         |        |                 | LB/100   | NO.                  | _     | Ο,          | LB/100 |  |  |
|             |        |                 |          | MS9491-31            | 2.625 | 1.690-1.750 | 6.78   |  |  |
|             |        |                 |          | MS9491-32            | 2.750 | 1.815-1.875 | 7.06   |  |  |
|             |        |                 |          | MS9491-33            | 2.875 | 1.940-2.000 | 7.33   |  |  |
| MS9491-04   | .500   | .088108         | 2.18     | MS9491-34            | 3.000 | 2.065-2.125 | 7.60   |  |  |
| MS9491-05   | .562   | .088108         | 2.32     | MS9491-35            | 3.125 | 2.190-2.250 | 7.87   |  |  |
|             |        |                 |          | $\chi_{\mathcal{O}}$ |       |             |        |  |  |
| MS9491-06   | .625   | .088108         | 2.45     | MS9491-36            | 3.250 | 2.315-2.375 | 8.14   |  |  |
| MS9491-07   | .688   | .088108         | 2.59     | MS9491-37            | 3.375 | 2.440-2.500 | 8.41   |  |  |
| MS9491-08   | .750   | .088108         | 2.73     | MS9491-38            | 3.500 | 2.565-2.625 | 8.68   |  |  |
| MS9491-09   | .812   | .088108         | 2.86     | MS9491-39            | 3.625 | 2.690-2.750 | 8.95   |  |  |
| MS9491-10   | .875   | .088108         | 3.00 👡 🤇 | MS9491-40            | 3.750 | 2.815-2.875 | 9.22   |  |  |
|             |        |                 | 11       |                      |       |             |        |  |  |
| MS9491-11   | .938   | .088108         | 3.13     | MS9491-41            | 3.875 | 2.940-3.000 | 9.49   |  |  |
| MS9491-12   | 1.000  | .088125         | 3.27     | MS9491-42            | 4.000 | 3.065-3.125 | 9.76   |  |  |
| MS9491-13   | 1.062  | .128188         | 3.40     | MS9491-43            | 4.125 | 3.190-3.250 | 10.03  |  |  |
| MS9491-14   | 1.125  | .190250         | 3.54     | MS9491-44            | 4.250 | 3.315-3.375 | 10.30  |  |  |
| MS9491-15   | 1.188  | .252312         | 3.67     | MS9491-45            | 4.375 | 3.440-3.500 | 10.57  |  |  |
|             |        |                 |          |                      |       |             |        |  |  |
| MS9491-16   | 1.250  | .315375         | 3.81     | MS9491-46            | 4.500 | 3.565-3.625 | 10.84  |  |  |
| MS9491-17   | 1.312  | 378438          | 3.94     | MS9491-47            | 4.625 | 3.690-3.750 | 11.11  |  |  |
| MS9491-18   | 1.375  | 440500          | 4.08     | MS9491-48            | 4.750 | 3.815-3.875 | 11.39  |  |  |
| MS9491-19   | 1.438~ | <u>√</u> 502562 | 4.21     | MS9491-49            | 4.875 | 3.940-4.000 | 11.66  |  |  |
| MS9491-20   | 1.500  | .565625         | 4.35     | MS9491-50            | 5.000 | 4.065-4.125 | 11.93  |  |  |
|             | ~ V .  |                 |          |                      |       |             |        |  |  |
| MS9491-21 / | 1.562  | .628688         | 4.48     | MS9491-51            | 5.125 | 4.190-4.250 | 12.20  |  |  |
| MS9491-22   | 1.625  | .690750         | 4.62     | MS9491-52            | 5.250 | 4.315-4.375 | 12.47  |  |  |
| MS9491-23   | 1.688  | .752812         | 4.76     | MS9491-53            | 5.375 | 4.440-4.500 | 12.74  |  |  |
| MS9491-24   | 1.750  | .815875         | 4.89     | MS9491-54            | 5.500 | 4.565-4.625 | 13.01  |  |  |
| MS9491-25   | 1.875  | .940-1.000      | 5.16     | MS9491-55            | 5.625 | 4.690-4.750 | 13.28  |  |  |
|             |        |                 |          |                      |       |             |        |  |  |
| MS9491-26   | 2.000  | 1.065-1.125     | 5.43     | MS9491-56            | 5.750 | 4.815-4.875 | 13.55  |  |  |
| MS9491-27   | 2.125  | 1.190-1.250     | 5.70     | MS9491-57            | 5.875 | 4.940-5.000 | 13.82  |  |  |
| MS9491-28   | 2.250  | 1.315-1.375     | 5.97     | MS9491-58            | 6.000 | 5.065-5.125 | 14.09  |  |  |
| MS9491-29   | 2.375  | 1.440-1.500     | 6.24     | MS9491-59            | 1.812 | .878938     | 5.03   |  |  |
| MS9491-30   | 2.500  | 1.565-1.625     | 6.51     | MS9491-60            | 1.938 | 1.002-1.062 | 5.30   |  |  |

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