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**AS9895**

FEDERAL SUPPLY CLASS  
5306

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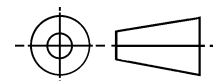
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THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
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## AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED  
WASHER HEAD, DRILLED,  
AMS 5616, .250-28 UNJF-3A

**AS9895**  
SHEET 1 OF 3

ISSUED 2000-08 REAFFIRMED 2005-05

MARK PART NO. AND MANUFACTURER'S IDENTIFICATION PER AS 478 CLASS A

WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE

.3125 NOM

45°

.438

.060-.070 DIA. 4 HOLES EQUALLY SPACED AS SHOWN, CSK 90° TO .080-.090 DIA

.144 MIN

5° MAX

φ.150

R .015 MAX

CHAMFER 28°-32° TO .312 DIA

35° MIN TO ROOT OF DOUBLE HEX

.303

.219

.168

.060 MIN

R .025 .015

32°

140° MIN

φ.232

φ.222

.250-28 UNJF-3A MIL-S-8879

THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 TIR

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

CHAMFER .031 x 45° APPROX.

32°

SECTION THRU THREAD PROFILE

full PDF of 8965

| PART No.  | L     | K         | APPROX WEIGHT<br>LB/100 | PART No.  | L     | K           | APPROX WEIGHT<br>LB/100 | PART No.  | L     | K           | APPROX WEIGHT<br>LB/100 |
|-----------|-------|-----------|-------------------------|-----------|-------|-------------|-------------------------|-----------|-------|-------------|-------------------------|
| MS9895-04 | .375  | .079-.099 | 1.28                    | MS9895-24 | 1.625 | .815-.875   | 2.70                    | MS9895-44 | 3.750 | 2.940-3.000 | 5.13                    |
| MS9895-05 | .438  | .079-.099 | 1.36                    | MS9895-25 | 1.688 | .878-.938   | 2.77                    | MS9895-45 | 3.875 | 3.065-3.125 | 5.28                    |
| MS9895-06 | .500  | .079-.099 | 1.41                    | MS9895-26 | 1.750 | .940-1.000  | 2.84                    | MS9895-46 | 4.000 | 3.190-3.250 | 5.42                    |
| MS9895-07 | .562  | .079-.099 | 1.49                    | MS9895-27 | 1.812 | 1.002-1.062 | 2.91                    | MS9895-47 | 4.125 | 3.315-3.375 | 5.55                    |
| MS9895-08 | .625  | .079-.099 | 1.56                    | MS9895-28 | 1.875 | 1.065-1.125 | 2.98                    | MS9895-48 | 4.250 | 3.440-3.500 | 5.70                    |
| MS9895-09 | .688  | .079-.099 | 1.63                    | MS9895-29 | 1.938 | 1.128-1.188 | 3.05                    | MS9895-49 | 4.375 | 3.565-3.625 | 5.85                    |
| MS9895-10 | .750  | .079-.099 | 1.70                    | MS9895-30 | 2.000 | 1.190-1.250 | 3.12                    | MS9895-50 | 4.500 | 3.690-3.750 | 6.00                    |
| MS9895-11 | .812  | .079-.099 | 1.77                    | MS9895-31 | 2.125 | 1.315-1.375 | 3.27                    | MS9895-51 | 4.625 | 3.815-3.875 | 6.13                    |
| MS9895-12 | .875  | .079-.125 | 1.84                    | MS9895-32 | 2.250 | 1.440-1.500 | 3.41                    | MS9895-52 | 4.750 | 3.940-4.000 | 6.28                    |
| MS9895-13 | .938  | .128-.188 | 1.91                    | MS9895-33 | 2.375 | 1.565-1.625 | 3.56                    | MS9895-53 | 4.875 | 4.065-4.125 | 6.43                    |
| MS9895-14 | 1.000 | .190-.250 | 1.98                    | MS9895-34 | 2.500 | 1.690-1.750 | 3.70                    | MS9895-54 | 5.000 | 4.190-4.250 | 6.57                    |
| MS9895-15 | 1.062 | .252-.312 | 2.05                    | MS9895-35 | 2.625 | 1.815-1.875 | 3.85                    | MS9895-55 | 5.125 | 4.315-4.375 | 6.71                    |
| MS9895-16 | 1.125 | .315-.375 | 2.12                    | MS9895-36 | 2.750 | 1.940-2.000 | 3.98                    | MS9895-56 | 5.250 | 4.440-4.500 | 6.86                    |
| MS9895-17 | 1.188 | .378-.438 | 2.19                    | MS9895-37 | 2.875 | 2.065-2.125 | 4.14                    | MS9895-57 | 5.375 | 4.565-4.625 | 7.00                    |
| MS9895-18 | 1.250 | .440-.500 | 2.27                    | MS9895-38 | 3.000 | 2.190-2.250 | 4.28                    | MS9895-58 | 5.500 | 4.690-4.750 | 7.13                    |
| MS9895-19 | 1.312 | .502-.562 | 2.33                    | MS9895-39 | 3.125 | 2.315-2.375 | 4.42                    | MS9895-59 | 5.625 | 4.815-4.875 | 7.28                    |
| MS9895-20 | 1.375 | .565-.625 | 2.41                    | MS9895-40 | 3.250 | 2.440-2.500 | 4.56                    | MS9895-60 | 5.750 | 4.940-5.000 | 7.43                    |
| MS9895-21 | 1.438 | .628-.688 | 2.49                    | MS9895-41 | 3.375 | 2.565-2.625 | 4.71                    | MS9895-61 | 5.875 | 5.065-5.125 | 7.57                    |
| MS9895-22 | 1.500 | .690-.750 | 2.56                    | MS9895-42 | 3.500 | 2.690-2.750 | 4.84                    | MS9895-62 | 6.000 | 5.190-5.250 | 7.72                    |
| MS9895-23 | 1.562 | .752-.812 | 2.63                    | MS9895-43 | 3.625 | 2.815-2.875 | 4.98                    |           |       |             |                         |