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SAE AS9586

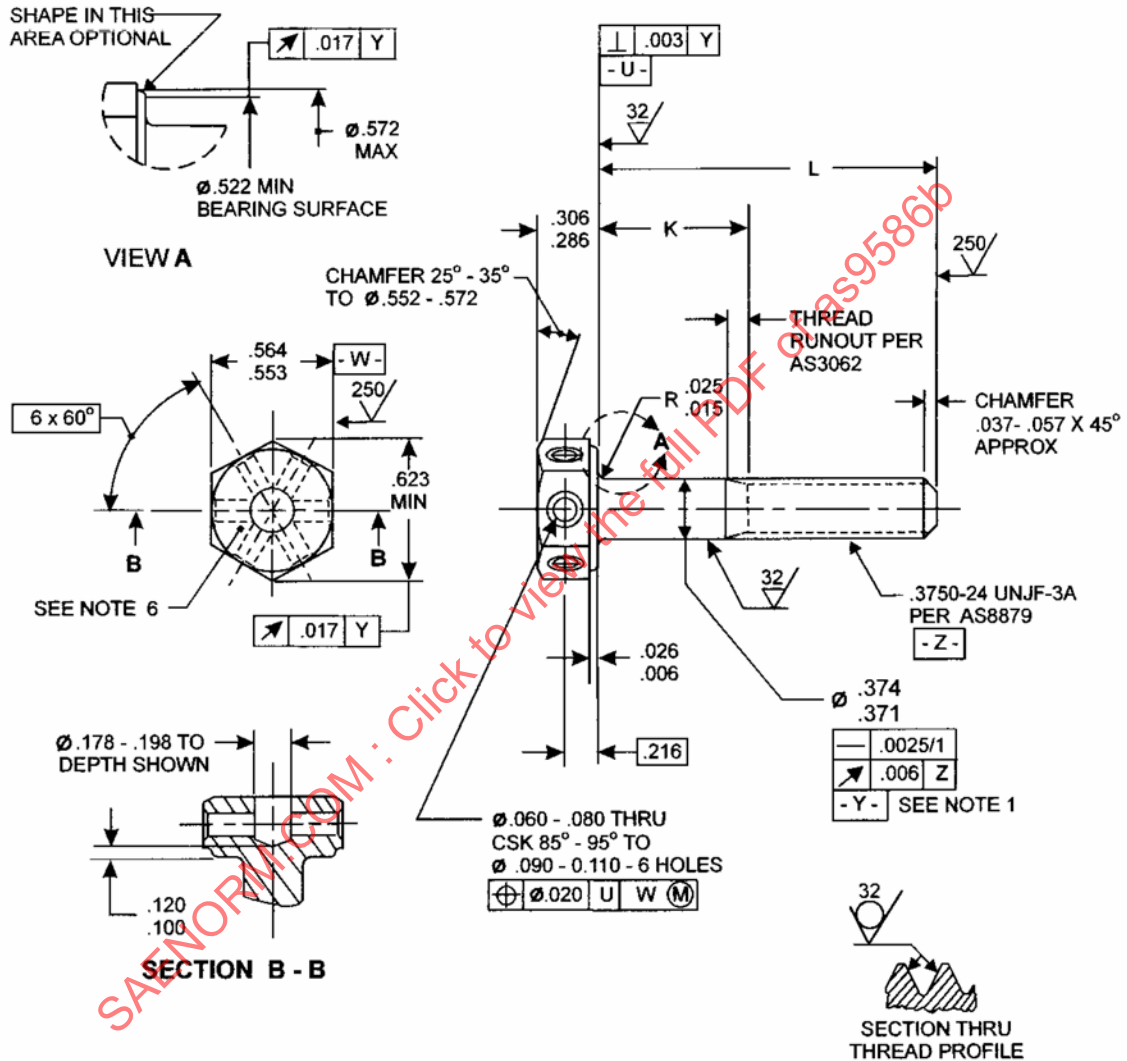
## RATIONALE

FEDERAL SUPPLY CLASS  
5306

AS9586B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9586A, NOTICE 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) MAY CONTINUE TO BE MANDATORY FOR DOD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.



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THIRD ANGLE PROJECTION

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
An SAE International Group

## AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON, DRILLED, 6 HOLES, FULL SHANK, CORROSION AND HEAT RESISTANT STEEL, UNS S66286, 130 KSI MIN, .3750-24 UNJF-3A

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TABLE 1 - PART NUMBERS AND DIMENSIONS.

| PART NUMBER | L             | K             | APPROX. MASS LB/100 | PART NUMBER | L             | K             | APPROX. MASS LB/100 |
|-------------|---------------|---------------|---------------------|-------------|---------------|---------------|---------------------|
| MS9586-04   | .615 - .635   | .088 - .108   | 4.05                | MS9586-32   | 2.990 - 3.010 | 1.940 - 2.000 | 11.45               |
| MS9586-05   | .678 - .698   | .088 - .108   | 4.25                | MS9586-33   | 3.115 - 3.135 | 2.065 - 2.125 | 11.83               |
| MS9586-06   | .740 - .760   | .088 - .108   | 4.44                | MS9586-34   | 3.240 - 3.260 | 2.190 - 2.250 | 12.23               |
| MS9586-07   | .802 - .822   | .088 - .108   | 4.63                | MS9586-35   | 3.365 - 3.385 | 2.315 - 2.375 | 12.62               |
| MS9586-08   | .865 - .885   | .088 - .108   | 4.83                | MS9586-36   | 3.490 - 3.510 | 2.440 - 2.500 | 12.91               |
| MS9586-09   | .928 - .948   | .088 - .108   | 5.03                | MS9586-37   | 3.615 - 3.635 | 2.565 - 2.625 | 13.40               |
| MS9586-10   | .990 - 1.010  | .088 - .108   | 5.22                | MS9586-38   | 3.740 - 3.760 | 2.690 - 2.750 | 13.79               |
| MS9586-11   | 1.052 - 1.072 | .088 - .108   | 5.41                | MS9586-39   | 3.865 - 3.885 | 2.815 - 2.875 | 14.18               |
| MS9586-12   | 1.115 - 1.135 | .088 - .125   | 5.61                | MS9586-40   | 3.990 - 4.010 | 2.940 - 3.000 | 14.57               |
| MS9586-13   | 1.178 - 1.198 | .128 - .188   | 5.80                | MS9586-41   | 4.115 - 4.135 | 3.065 - 3.125 | 14.96               |
| MS9586-14   | 1.240 - 1.260 | .190 - .250   | 5.99                | MS9586-42   | 4.240 - 4.260 | 3.190 - 3.250 | 15.35               |
| MS9586-15   | 1.302 - 1.322 | .252 - .312   | 6.19                | MS9586-43   | 4.365 - 4.385 | 3.315 - 3.375 | 15.74               |
| MS9586-16   | 1.365 - 1.385 | .315 - .375   | 6.39                | MS9586-44   | 4.490 - 4.510 | 3.440 - 3.500 | 16.13               |
| MS9586-17   | 1.428 - 1.448 | .378 - .438   | 6.58                | MS9586-45   | 4.615 - 4.635 | 3.565 - 3.625 | 16.52               |
| MS9586-18   | 1.490 - 1.510 | .440 - .500   | 6.78                | MS9586-46   | 4.740 - 4.760 | 3.690 - 3.750 | 16.91               |
| MS9586-19   | 1.552 - 1.572 | .502 - .562   | 6.97                | MS9586-47   | 4.865 - 4.885 | 3.815 - 3.875 | 17.30               |
| MS9586-20   | 1.615 - 1.635 | .565 - .625   | 7.17                | MS9586-48   | 4.990 - 5.010 | 3.940 - 4.000 | 17.69               |
| MS9586-21   | 1.678 - 1.698 | .628 - .688   | 7.36                | MS9586-49   | 5.115 - 5.135 | 4.065 - 4.125 | 18.08               |
| MS9586-22   | 1.740 - 1.760 | .690 - .750   | 7.56                | MS9586-50   | 5.240 - 5.260 | 4.190 - 4.250 | 18.47               |
| MS9586-23   | 1.865 - 1.885 | .815 - .875   | 7.95                | MS9586-51   | 5.365 - 5.385 | 4.315 - 4.375 | 18.86               |
| MS9586-24   | 1.990 - 2.010 | .940 - 1.000  | 8.34                | MS9586-52   | 5.490 - 5.510 | 4.440 - 4.500 | 19.25               |
| MS9586-25   | 2.115 - 2.135 | 1.065 - 1.125 | 8.73                | MS9586-53   | 5.615 - 5.635 | 4.565 - 4.625 | 19.63               |
| MS9586-26   | 2.240 - 2.260 | 1.190 - 1.250 | 9.11                | MS9586-54   | 5.740 - 5.760 | 4.690 - 4.750 | 20.00               |
| MS9586-27   | 2.365 - 2.385 | 1.315 - 1.375 | 9.50                | MS9586-55   | 5.865 - 5.885 | 4.815 - 4.875 | 20.41               |
| MS9586-28   | 2.490 - 2.510 | 1.440 - 1.500 | 9.89                | MS9586-56   | 5.990 - 6.010 | 4.940 - 5.000 | 20.80               |
| MS9586-29   | 2.615 - 2.635 | 1.565 - 1.625 | 10.28               | MS9586-57   | 1.802 - 1.822 | .752 - .812   | 7.75                |
| MS9586-30   | 2.740 - 2.760 | 1.690 - 1.750 | 10.67               | MS9586-58   | 1.928 - 1.948 | .878 - .938   | 8.14                |
| MS9586-31   | 2.865 - 2.885 | 1.815 - 1.875 | 11.06               |             |               |               |                     |