

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.  
A

AS3158

FEDERAL SUPPLY CLASS  
5306

## RATIONALE

FIGURE REDRAWN TO MAKE LEGIBLE, REVISE LIGHTENING HOLE CONFIGURATION TO ALLOW OPTIONAL SHAPE AT BOTTOM OF HOLE, DELETE METRIC VALUES, THREAD SPEC UPDATED, TABLE REDRAWN TO REMOVE METRIC EQUIVALENTS.

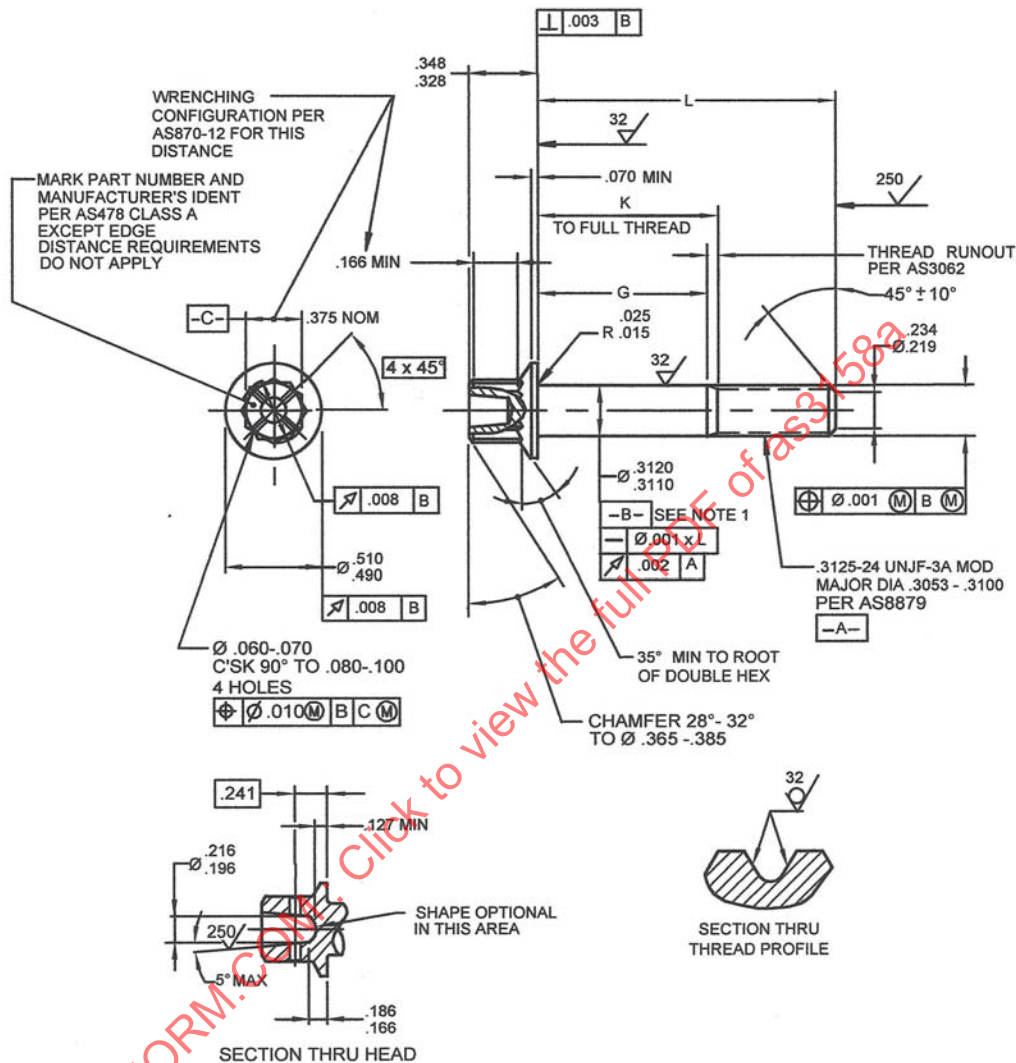
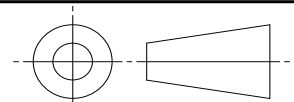


FIGURE 1

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3158A>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25



## AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, CLOSE TOLERANCE SHANK, AMS4967, .3125-24 UNJF-3A

AS3158  
SHEET 1 OF 3

REV.  
A

TABLE 1

| PART<br>NUMBER | L     | G<br>MIN | K<br>MAX | APPROX<br>MASS<br>LB/100 | PART<br>NUMBER | L     | G<br>MIN | K<br>MAX | APPROX<br>MASS<br>LB/100 |
|----------------|-------|----------|----------|--------------------------|----------------|-------|----------|----------|--------------------------|
| AS3158-03      | .751  | .105     | .198     | 1.48                     | AS3158-43      | 3.251 | 2.605    | 2.698    | 4.59                     |
| AS3158-04      | .813  | .167     | .260     | 1.56                     | AS3158-44      | 3.313 | 2.667    | 2.760    | 4.67                     |
| AS3158-05      | .875  | .229     | .322     | 1.64                     | AS3158-45      | 3.375 | 2.729    | 2.822    | 4.74                     |
| AS3158-06      | .938  | .292     | .385     | 1.71                     | AS3158-46      | 3.438 | 2.792    | 2.885    | 4.82                     |
| AS3158-07      | 1.001 | .355     | .448     | 1.79                     | AS3158-47      | 3.501 | 2.855    | 2.948    | 4.90                     |
| AS3158-08      | 1.063 | .417     | .510     | 1.87                     | AS3158-48      | 3.563 | 2.917    | 3.010    | 4.98                     |
| AS3158-09      | 1.125 | .479     | .572     | 1.94                     | AS3158-49      | 3.625 | 2.979    | 3.072    | 5.05                     |
| AS3158-10      | 1.188 | .542     | .635     | 2.03                     | AS3158-50      | 3.688 | 3.042    | 3.135    | 5.14                     |
| AS3158-11      | 1.251 | .605     | .698     | 2.10                     | AS3158-51      | 3.751 | 3.105    | 3.198    | 5.21                     |
| AS3158-12      | 1.313 | .667     | .760     | 2.19                     | AS3158-52      | 3.813 | 3.167    | 3.260    | 5.28                     |
| AS3158-13      | 1.375 | .729     | .822     | 2.26                     | AS3158-53      | 3.875 | 3.229    | 3.322    | 5.37                     |
| AS3158-14      | 1.438 | .792     | .885     | 2.33                     | AS3158-54      | 3.938 | 3.292    | 3.385    | 5.44                     |
| AS3158-15      | 1.501 | .855     | .948     | 2.42                     | AS3158-55      | 4.001 | 3.355    | 3.448    | 5.52                     |
| AS3158-16      | 1.563 | .917     | 1.010    | 2.49                     | AS3158-56      | 4.063 | 3.417    | 3.510    | 5.60                     |
| AS3158-17      | 1.625 | .979     | 1.072    | 2.56                     | AS3158-57      | 4.125 | 3.479    | 3.572    | 5.67                     |
| AS3158-18      | 1.688 | 1.042    | 1.135    | 2.65                     | AS3158-58      | 4.188 | 3.542    | 3.635    | 5.76                     |
| AS3158-19      | 1.751 | 1.105    | 1.198    | 2.72                     | AS3158-59      | 4.251 | 3.605    | 3.698    | 5.83                     |
| AS3158-20      | 1.813 | 1.167    | 1.260    | 2.79                     | AS3158-60      | 4.313 | 3.667    | 3.760    | 5.90                     |
| AS3158-21      | 1.875 | 1.229    | 1.322    | 2.88                     | AS3158-61      | 4.375 | 3.729    | 3.822    | 5.98                     |
| AS3158-22      | 1.938 | 1.292    | 1.385    | 2.96                     | AS3158-62      | 4.438 | 3.792    | 3.885    | 6.06                     |
| AS3158-23      | 2.001 | 1.355    | 1.448    | 3.04                     | AS3158-63      | 4.501 | 3.855    | 3.948    | 6.15                     |
| AS3158-24      | 2.063 | 1.417    | 1.510    | 3.11                     | AS3158-64      | 4.563 | 3.917    | 4.010    | 6.22                     |
| AS3158-25      | 2.125 | 1.479    | 1.572    | 3.20                     | AS3158-65      | 4.625 | 3.979    | 4.072    | 6.29                     |
| AS3158-26      | 2.188 | 1.542    | 1.635    | 3.27                     | AS3158-66      | 4.688 | 4.042    | 4.135    | 6.38                     |
| AS3158-27      | 2.251 | 1.605    | 1.698    | 3.34                     | AS3158-67      | 4.751 | 4.105    | 4.198    | 6.45                     |
| AS3158-28      | 2.313 | 1.667    | 1.760    | 3.43                     | AS3158-68      | 4.813 | 4.167    | 4.260    | 6.54                     |
| AS3158-29      | 2.375 | 1.729    | 1.822    | 3.50                     | AS3158-69      | 4.875 | 4.229    | 4.322    | 6.61                     |
| AS3158-30      | 2.438 | 1.792    | 1.885    | 3.57                     | AS3158-70      | 4.938 | 4.292    | 4.385    | 6.68                     |
| AS3158-31      | 2.501 | 1.855    | 1.948    | 3.66                     | AS3158-71      | 5.001 | 4.355    | 4.448    | 6.77                     |
| AS3158-32      | 2.563 | 1.917    | 2.010    | 3.74                     | AS3158-72      | 5.063 | 4.417    | 4.510    | 6.84                     |
| AS3158-33      | 2.625 | 1.979    | 2.072    | 3.81                     | AS3158-73      | 5.125 | 4.479    | 4.572    | 6.92                     |
| AS3158-34      | 2.688 | 2.042    | 2.135    | 3.89                     | AS3158-74      | 5.188 | 4.542    | 4.635    | 7.00                     |
| AS3158-35      | 2.751 | 2.105    | 2.198    | 3.96                     | AS3158-75      | 5.251 | 4.605    | 4.698    | 7.07                     |
| AS3158-36      | 2.813 | 2.167    | 2.260    | 4.05                     | AS3158-76      | 5.313 | 4.667    | 4.760    | 7.16                     |
| AS3158-37      | 2.875 | 2.229    | 2.322    | 4.12                     | AS3158-77      | 5.375 | 4.729    | 4.822    | 7.23                     |
| AS3158-38      | 2.938 | 2.292    | 2.385    | 4.20                     | AS3158-78      | 5.438 | 4.792    | 4.885    | 7.30                     |
| AS3158-39      | 3.001 | 2.355    | 2.448    | 4.28                     | AS3158-79      | 5.501 | 4.855    | 4.948    | 7.39                     |
| AS3158-40      | 3.063 | 2.417    | 2.510    | 4.36                     | AS3158-80      | 5.563 | 4.917    | 5.010    | 7.46                     |
| AS3158-41      | 3.125 | 2.479    | 2.572    | 4.43                     | AS3158-81      | 5.625 | 4.979    | 5.072    | 7.53                     |
| AS3158-42      | 3.188 | 2.542    | 2.635    | 4.51                     | AS3158-82      | 5.688 | 5.042    | 5.135    | 7.62                     |



## AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED  
WASHER HEAD, DRILLED, CLOSE TOLERANCE  
SHANK, AMS4967, .3125-24 UNJF-3A

**AS3158**  
SHEET 2 OF 3

**REV.**  
**A**