

REV. B

AS3239

FEDERAL SUPPLY CLASS
5306

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

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 reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

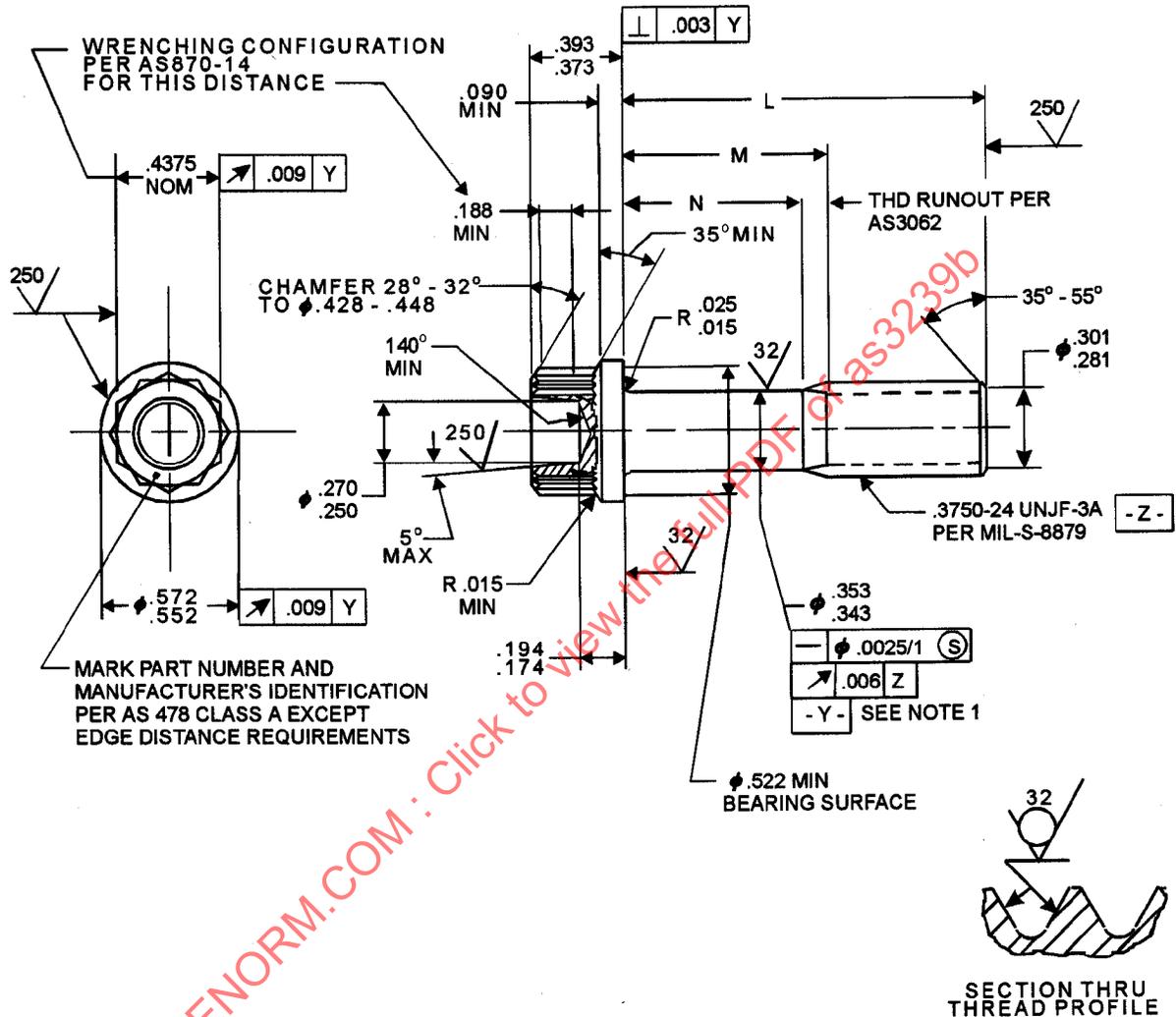
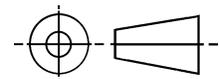


FIGURE 1 - BOLT

SECTION THRU
THREAD PROFILE

THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, PD SHANK, CRES,
UNS N07718, 185 KSI MIN, .3750-24 UNJF-3A

AS3239
SHEET 1 OF 3

REV. B

Copyright 2007 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

ISSUED 1980-07 REVISED 2002-06 REAFFIRMED 2007-06

REV.
B

AS3239

TABLE 1 - PART NUMBERS AND DIMENSIONS

| PART NO. | L | N MIN | M MAX | APPROX. MASS LB/100 | PART NO. | L | N MIN | M MAX | APPROX. MASS LB/100 |
|-----------|---------------|----------|----------|---------------------------|-----------|---------------|----------|----------|---------------------------|
| AS3239-03 | .552 - .572 | .025 | .108 | 3.06 | AS3239-32 | 2.740 - 2.760 | 1.607 | 1.750 | 9.26 |
| AS3239-04 | .615 - .635 | .025 | .108 | 3.24 | AS3239-33 | 2.865 - 2.885 | 1.732 | 1.875 | 9.61 |
| AS3239-05 | .678 - .698 | .025 | .108 | 3.42 | AS3239-34 | 2.990 - 3.010 | 1.857 | 2.000 | 9.97 |
| AS3239-06 | .740 - .760 | .025 | .108 | 3.59 | AS3239-35 | 3.115 - 3.135 | 1.982 | 2.125 | 10.32 |
| AS3239-07 | .802 - .822 | .025 | .108 | 3.77 | AS3239-36 | 3.240 - 3.260 | 2.107 | 2.250 | 10.67 |
| AS3239-08 | .865 - .885 | .025 | .108 | 3.94 | AS3239-37 | 3.365 - 3.385 | 2.232 | 2.375 | 11.03 |
| AS3239-09 | .928 - .948 | .025 | .108 | 4.12 | AS3239-38 | 3.490 - 3.510 | 2.357 | 2.500 | 11.39 |
| AS3239-10 | .990 - 1.010 | .025 | .108 | 4.30 | AS3239-39 | 3.615 - 3.635 | 2.482 | 2.625 | 11.74 |
| AS3239-11 | 1.052 - 1.072 | .025 | .108 | 4.47 | AS3239-40 | 3.740 - 3.760 | 2.607 | 2.750 | 12.09 |
| AS3239-12 | 1.115 - 1.135 | .025 | .125 | 4.65 | AS3239-41 | 3.865 - 3.885 | 2.732 | 2.875 | 12.45 |
| AS3239-13 | 1.178 - 1.198 | .045 | .188 | 4.83 | AS3239-42 | 3.990 - 4.010 | 2.857 | 3.000 | 12.80 |
| AS3239-14 | 1.240 - 1.260 | .107 | .250 | 5.00 | AS3239-43 | 4.115 - 4.135 | 2.982 | 3.125 | 13.15 |
| AS3239-15 | 1.302 - 1.322 | .169 | .312 | 5.19 | AS3239-44 | 4.240 - 4.260 | 3.107 | 3.250 | 13.50 |
| AS3239-16 | 1.365 - 1.385 | .232 | .375 | 5.37 | AS3239-45 | 4.365 - 4.385 | 3.232 | 3.375 | 14.87 |
| AS3239-17 | 1.428 - 1.448 | .295 | .438 | 5.54 | AS3239-46 | 4.490 - 4.510 | 3.357 | 3.500 | 14.22 |
| AS3239-18 | 1.490 - 1.510 | .357 | .500 | 5.72 | AS3239-47 | 4.615 - 4.635 | 3.482 | 3.625 | 14.57 |
| AS3239-19 | 1.552 - 1.572 | .419 | .562 | 5.90 | AS3239-48 | 4.740 - 4.760 | 3.607 | 3.750 | 14.93 |
| AS3239-20 | 1.615 - 1.635 | .482 | .625 | 6.07 | AS3239-49 | 4.865 - 4.885 | 3.732 | 3.875 | 15.28 |
| AS3239-21 | 1.678 - 1.698 | .545 | .688 | 6.25 | AS3239-50 | 4.990 - 5.010 | 3.857 | 4.000 | 15.63 |
| AS3239-22 | 1.740 - 1.760 | .607 | .750 | 6.43 | AS3239-51 | 5.115 - 5.135 | 3.982 | 4.125 | 15.99 |
| AS3239-23 | 1.802 - 1.822 | .669 | .812 | 6.60 | AS3239-52 | 5.240 - 5.260 | 4.107 | 4.250 | 16.34 |
| AS3239-24 | 1.865 - 1.885 | .732 | .875 | 6.78 | AS3239-53 | 5.365 - 5.385 | 4.232 | 4.375 | 16.70 |
| AS3239-25 | 1.928 - 1.948 | .795 | .938 | 6.96 | AS3239-54 | 5.490 - 5.510 | 4.357 | 4.500 | 17.05 |
| AS3239-26 | 1.990 - 2.010 | .857 | 1.000 | 7.13 | AS3239-55 | 5.615 - 5.635 | 4.482 | 4.625 | 17.39 |
| AS3239-27 | 2.115 - 2.135 | .982 | 1.125 | 7.48 | AS3239-56 | 5.740 - 5.760 | 4.607 | 4.750 | 17.73 |
| AS3239-28 | 2.240 - 2.260 | 1.107 | 1.250 | 7.84 | AS3239-57 | 5.865 - 5.885 | 4.732 | 4.875 | 18.07 |
| AS3239-29 | 2.365 - 2.385 | 1.232 | 1.375 | 8.20 | AS3239-58 | 5.990 - 6.010 | 4.857 | 5.000 | 18.41 |
| AS3239-30 | 2.490 - 2.510 | 1.357 | 1.500 | 8.55 | | | | | |
| AS3239-31 | 2.615 - 2.635 | 1.482 | 1.625 | 8.91 | | | | | |

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, PD SHANK, CRES,
UNS N07718, 185 KSI MIN, .3750-24 UNJF-3A

AS3239
SHEET 2 OF 3

REV.
B