

SAE Executive Standards Committee 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.
B

AS3173™

FEDERAL SUPPLY CLASS
5306

RATIONALE

REVISED LEAD THREAD CHAMFER TO AS1132. UPDATED TO ASME Y14.5-2018. ADDED NOTE FOR EXISTING INVENTORY.

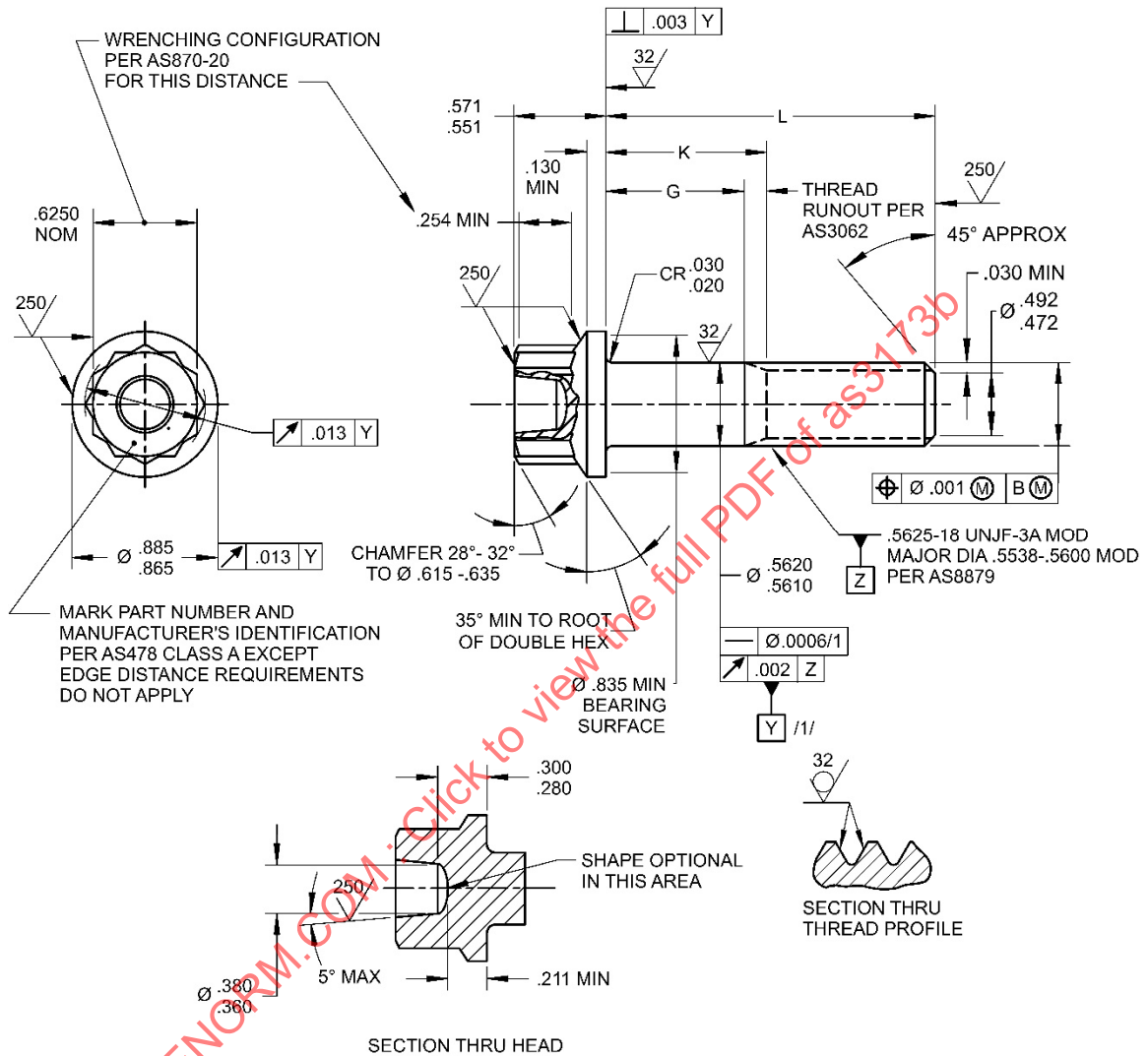
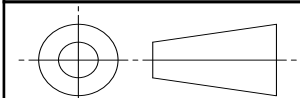


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3173B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7474 /8/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEX EXTENDED
WASHER HEAD, CLOSE TOLERANCE SHANK,
AMS5643 (UNS S17400), 140 KSI, .5625-18, UNJF-3A

AS3173™
SHEET 1 OF 3

REV.
B

Copyright © 2024 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, or used for text and data mining, AI training, or similar technologies, 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: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

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

ISSUED 1976-03 REAFFIRMED 2018-11 REVISED 2024-09

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	G MIN	K MAX	APPROX MASS LB/100	PART NO.	L	G MIN	K MAX	APPROX MASS LB/100
AS3173-03	1.056-1.076	.077	.198	12.09	AS3173-45	3.680-3.700	2.701	2.822	30.26
AS3173-04	1.118-1.138	.139	.260	12.52	AS3173-46	3.743-3.763	2.764	2.885	30.69
AS3173-05	1.180-1.200	.201	.322	12.95	AS3173-47	3.806-3.826	2.827	2.948	31.12
AS3173-06	1.243-1.263	.264	.385	13.38	AS3173-48	3.868-3.888	2.889	3.010	31.56
AS3173-07	1.306-1.326	.327	.448	13.82	AS3173-49	3.930-3.950	2.951	3.072	31.99
AS3173-08	1.368-1.388	.389	.510	14.25	AS3173-50	3.993-4.013	3.014	3.135	32.43
AS3173-09	1.430-1.450	.451	.572	14.68	AS3173-51	4.056-4.076	3.077	3.198	32.87
AS3173-10	1.493-1.513	.514	.635	15.11	AS3173-52	4.118-4.138	3.139	3.260	33.29
AS3173-11	1.556-1.576	.577	.698	15.55	AS3173-53	4.180-4.200	3.201	3.322	33.72
AS3173-12	1.618-1.638	.639	.760	15.98	AS3173-54	4.243-4.263	3.264	3.385	34.16
AS3173-13	1.680-1.700	.701	.822	16.41	AS3173-55	4.306-4.326	3.327	3.448	34.60
AS3173-14	1.743-1.763	.764	.885	16.84	AS3173-56	4.368-4.388	3.389	3.510	35.02
AS3173-15	1.806-1.826	.827	.948	17.28	AS3173-57	4.430-4.450	3.451	3.572	35.46
AS3173-16	1.868-1.888	.889	1.010	17.71	AS3173-58	4.493-4.513	3.514	3.635	35.89
AS3173-17	1.930-1.950	.951	1.072	18.14	AS3173-59	4.556-4.576	3.577	3.698	36.33
AS3173-18	1.993-2.013	1.014	1.135	18.58	AS3173-60	4.618-4.638	3.639	3.760	36.76
AS3173-19	2.056-2.076	1.077	1.198	19.01	AS3173-61	4.680-4.700	3.701	3.822	37.19
AS3173-20	2.118-2.138	1.139	1.260	19.44	AS3173-62	4.743-4.763	3.764	3.885	37.62
AS3173-21	2.180-2.200	1.201	1.322	19.87	AS3173-63	4.806-4.826	3.827	3.948	38.06
AS3173-22	2.243-2.263	1.264	1.385	20.31	AS3173-64	4.868-4.888	3.889	4.010	38.49
AS3173-23	2.306-2.326	1.327	1.448	20.74	AS3173-65	4.930-4.950	3.951	4.072	38.92
AS3173-24	2.368-2.388	1.389	1.510	21.18	AS3173-66	4.993-5.013	4.014	4.135	39.35
AS3173-25	2.430-2.450	1.451	1.572	21.60	AS3173-67	5.056-5.076	4.077	4.198	39.79
AS3173-26	2.493-2.513	1.514	1.635	22.04	AS3173-68	5.118-5.138	4.139	4.260	40.22
AS3173-27	2.556-2.576	1.577	1.698	22.47	AS3173-69	5.180-5.200	4.201	4.322	40.64
AS3173-28	2.618-2.638	1.639	1.760	22.91	AS3173-70	5.243-5.263	4.264	4.385	41.09
AS3173-29	2.680-2.700	1.701	1.822	23.33	AS3173-71	5.306-5.326	4.327	4.448	41.52
AS3173-30	2.743-2.763	1.764	1.885	23.77	AS3173-72	5.368-5.388	4.389	4.510	41.95
AS3173-31	2.806-2.826	1.827	1.948	24.21	AS3173-73	5.430-5.450	4.451	4.572	42.38
AS3173-32	2.868-2.888	1.889	2.010	24.64	AS3173-74	5.493-5.513	4.514	4.635	43.82
AS3173-33	2.930-2.950	1.951	2.072	25.06					
AS3173-34	2.993-3.013	2.014	2.135	25.51					
AS3173-35	3.056-3.076	2.077	2.198	25.94					
AS3173-36	3.118-3.138	2.139	2.260	26.37					
AS3173-37	3.180-3.200	2.201	2.322	26.80					
AS3173-38	3.243-3.263	2.264	2.385	27.23					
AS3173-39	3.306-3.326	2.327	2.448	27.67					
AS3173-40	3.368-3.388	2.389	2.510	28.10					
AS3173-41	3.430-3.450	2.451	2.572	28.53					
AS3173-42	3.493-3.513	2.514	2.635	28.96					
AS3173-43	3.556-3.576	2.577	2.698	29.40					
AS3173-44	3.618-3.638	2.639	2.760	29.83					



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEX EXTENDED
WASHER HEAD, CLOSE TOLERANCE SHANK,
AMS5643 (UNS S17400), 140 KSI, .5625-18, UNJF-3A

AS3173™
SHEET 2 OF 3

REV.
B