

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.
C

SAE AS3248

FEDERAL SUPPLY CLASS
5306

RATIONALE

REVISE WRENCHING ELEMENT RUNOUT CALLOUT (RELOCATE FROM WRENCH FLATS TO POINTS). REVISE THREAD SPECIFICATION TO AS8879. REVISE LIGHTENING HOLE CONFIGURATION (ADD SECTION VIEW) TO ALLOW OPTIONAL SHAPE AT BOTTOM OF HOLE, ADD SYMBOL FOR $\varnothing$ AND MMC TO POSITION TOLERANCE FOR SAFETY WIRE HOLES, DELETE .015 MIN RADIUS AT BASE OF WRENCH PAD, AND FIGURE 1 REDRAWN.

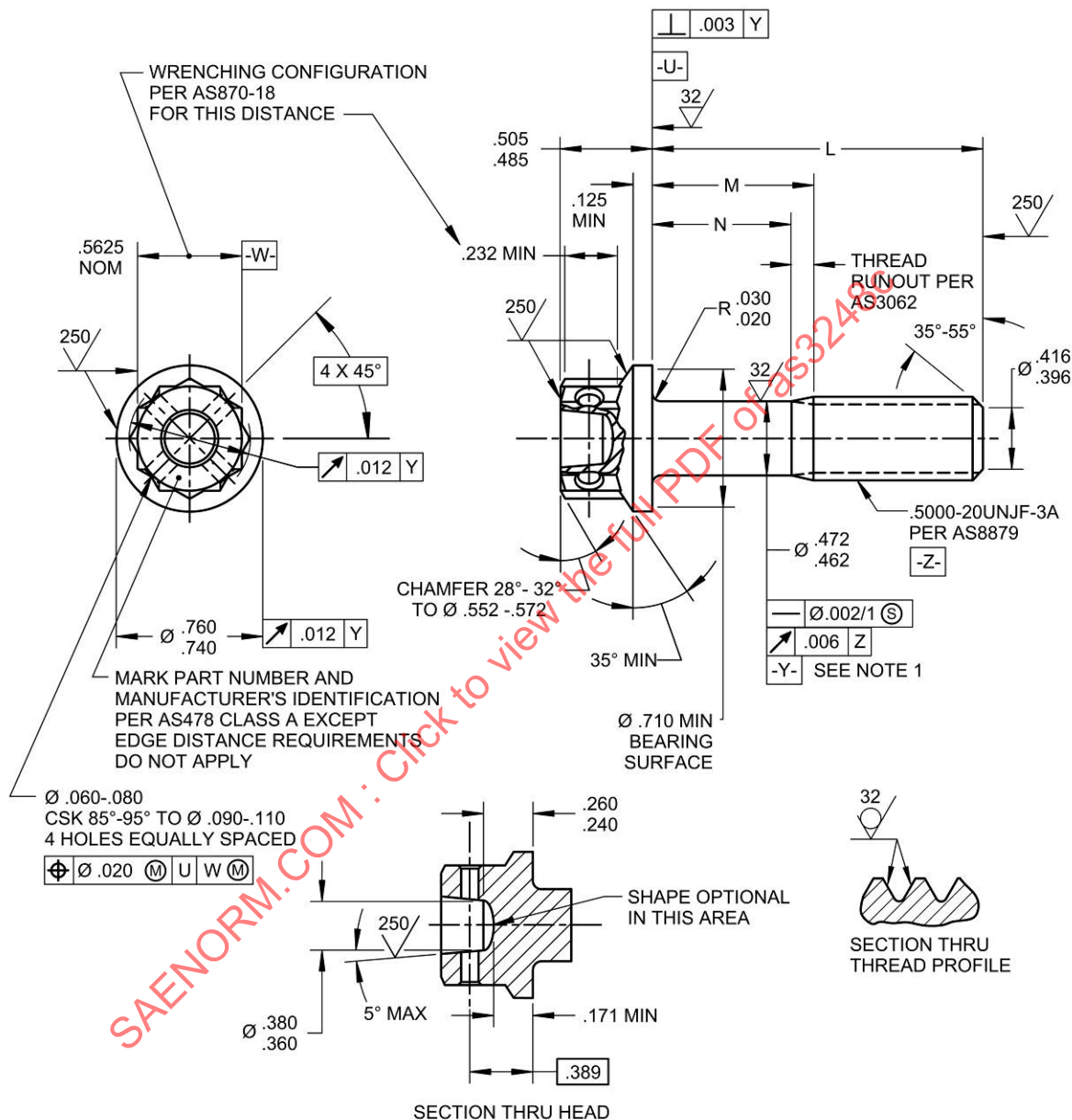


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3248C>

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7466

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, PD SHANK, NICKEL ALLOY,
UNS N07718, 185 KSI MIN, .5000-20 UNJF-3A

SAE AS3248
SHEET 1 OF 3

REV.
C

Copyright 2013 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: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

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

ISSUED 1980-07 REAFFIRMED 2007-06 REVISED 2013-01

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
AS3248-03	.740 - .760	.030	.125	7.33	AS3248-30	2.865 - 2.885	1.465	1.625	18.18
AS3248-04	.802 - .822	.030	.125	7.65	AS3248-31	2.990 - 3.010	1.590	1.750	18.81
AS3248-05	.865 - .885	.030	.125	7.97	AS3248-32	3.115 - 3.135	1.715	1.875	19.45
AS3248-06	.928 - .948	.030	.125	8.29	AS3248-33	3.240 - 3.260	1.840	2.000	20.09
AS3248-07	.990 - 1.010	.030	.125	8.61	AS3248-34	3.365 - 3.385	1.965	2.125	20.73
AS3248-08	1.052 - 1.072	.030	.125	8.93	AS3248-35	3.490 - 3.510	2.090	2.250	21.35
AS3248-09	1.115 - 1.135	.030	.125	9.25	AS3248-36	3.615 - 3.635	2.215	2.375	22.01
AS3248-10	1.178 - 1.198	.030	.125	9.56	AS3248-37	3.740 - 3.760	2.340	2.500	22.64
AS3248-11	1.240 - 1.260	.030	.125	9.88	AS3248-38	3.865 - 3.885	2.465	2.625	23.28
AS3248-12	1.302 - 1.322	.030	.125	10.20	AS3248-39	3.990 - 4.010	2.590	2.750	23.92
AS3248-13	1.365 - 1.385	.030	.125	10.53	AS3248-40	4.115 - 4.135	2.715	2.875	24.56
AS3248-14	1.428 - 1.448	.030	.188	10.84	AS3248-41	4.240 - 4.260	2.840	3.000	25.19
AS3248-15	1.490 - 1.510	.090	.250	11.16	AS3248-42	4.365 - 4.385	2.965	3.125	25.83
AS3248-16	1.552 - 1.572	.152	.312	11.48	AS3248-43	4.490 - 4.510	3.090	3.250	26.47
AS3248-17	1.615 - 1.635	.215	.375	11.80	AS3248-44	4.615 - 4.635	3.215	3.375	27.10
AS3248-18	1.678 - 1.698	.278	.438	12.11	AS3248-45	4.740 - 4.760	3.340	3.500	27.75
AS3248-19	1.740 - 1.760	.340	.500	12.44	AS3248-46	4.865 - 4.885	3.465	3.625	28.38
AS3248-20	1.802 - 1.822	.402	.562	12.77	AS3248-47	4.990 - 5.010	3.590	3.750	29.02
AS3248-21	1.865 - 1.885	.465	.625	13.07	AS3248-48	5.115 - 5.135	3.715	3.875	29.66
AS3248-22	1.928 - 1.948	.528	.688	13.39	AS3248-49	5.240 - 5.260	3.840	4.000	30.60
AS3248-23	1.990 - 2.010	.590	.750	13.71	AS3248-50	5.365 - 5.385	3.965	4.125	30.93
AS3248-24	2.115 - 2.135	.715	.875	14.35	AS3248-51	5.490 - 5.510	4.090	4.250	31.58
AS3248-25	2.240 - 2.260	.840	1.000	14.99	AS3248-52	5.615 - 5.635	4.215	4.375	32.22
AS3248-26	2.365 - 2.385	.965	1.125	15.62	AS3248-53	5.740 - 5.760	4.340	4.500	32.85
AS3248-27	2.490 - 2.510	1.090	1.250	16.27	AS3248-54	5.865 - 5.885	4.465	4.625	33.50
AS3248-28	2.615 - 2.635	1.215	1.375	16.90	AS3248-55	5.990 - 6.010	4.590	4.750	34.14
AS3248-29	2.740 - 2.760	1.340	1.500	17.54					