

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.
A

AS9725™

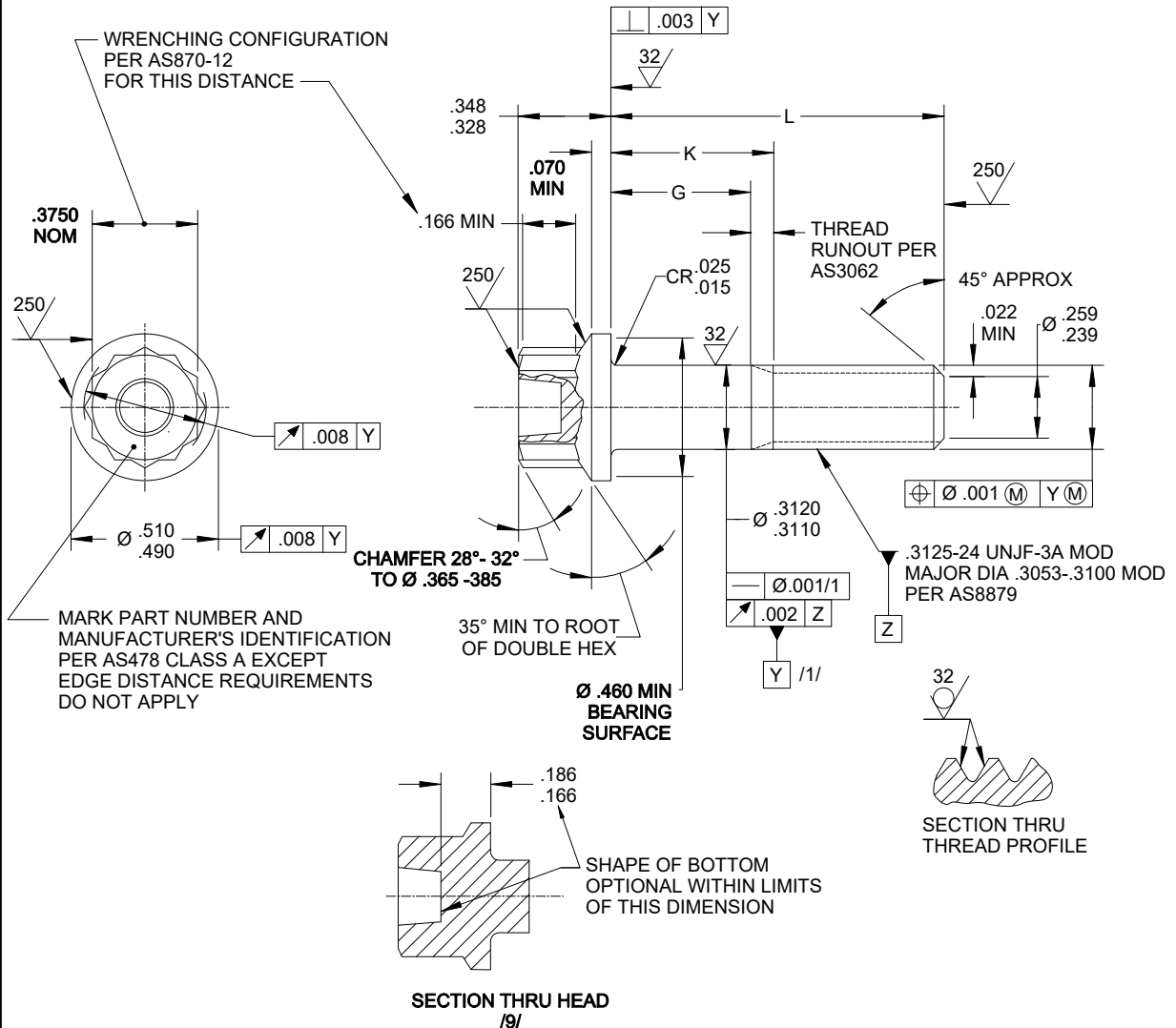
RATIONALE

UPDATE LIGHTENING HOLE REQUIREMENTS PER LATEST AS1132, GENERAL NOTES UPDATE TO CURRENT E-25 PROCEDURES.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9725C. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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



For more information on this standard, visit
<https://www.sae.org/standards/content/AS9725A/>

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471 /8/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON, EXTENDED
WASHER HEAD, CLOSE TOLERANCE SHANK,
UNS N07001, 165 KSI, .3125-24 UNJF-3A

AS9725™
SHEET 1 OF 3

REV.
A

Documents

Copyright © 2026 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: 1-877-606-7323 (U.S. and Canada only)
Fax: 724-776-0790

Tel: 1-724-776-4970 (outside U.S. and Canada)
Email: CustomerService@sae.org SAE WEB ADDRESS: <http://www.sae.org>

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
MS9725-03	.741-.761	.105	.198	2.69	MS9725-45	3.365-3.385	2.729	2.822	8.61
MS9725-04	.803-.823	.167	.260	2.83	MS9725-46	3.428-3.448	2.792	2.885	8.75
MS9725-05	.865-.885	.229	.322	2.97	MS9725-47	3.491-3.511	2.855	2.948	8.89
MS9725-06	.928-.948	.292	.385	3.11	MS9725-48	3.553-3.573	2.917	3.010	9.03
MS9725-07	.991-1.011	.355	.448	3.25	MS9725-49	3.615-3.635	2.979	3.072	9.17
MS9725-08	1.053-1.073	.417	.510	3.40	MS9725-50	3.678-3.698	3.042	3.135	9.32
MS9725-09	1.115-1.135	.479	.572	3.53	MS9725-51	3.741-3.761	3.105	3.198	9.46
MS9725-10	1.178-1.198	.542	.635	3.68	MS9725-52	3.803-3.823	3.167	3.260	9.60
MS9725-11	1.241-1.261	.605	.698	3.82	MS9725-53	3.865-3.885	3.229	3.322	9.74
MS9725-12	1.303-1.323	.667	.760	3.96	MS9725-54	3.978-3.998	3.292	3.385	9.88
MS9725-13	1.365-1.385	.729	.822	4.10	MS9725-55	3.991-4.011	3.355	3.448	10.02
MS9725-14	1.428-1.448	.792	.885	4.24	MS9725-56	4.053-4.073	3.417	3.510	10.16
MS9725-15	1.491-1.511	.855	.948	4.38	MS9725-57	4.115-4.135	3.479	3.572	10.30
MS9725-16	1.553-1.573	.917	1.010	4.52	MS9725-58	4.178-4.198	3.542	3.635	10.44
MS9725-17	1.615-1.635	.979	1.072	4.66	MS9725-59	4.241-4.261	3.605	3.698	10.58
MS9725-18	1.678-1.698	1.042	1.135	4.80	MS9725-60	4.303-4.323	3.667	3.760	10.72
MS9725-19	1.741-1.761	1.105	1.198	4.95	MS9725-61	4.365-4.385	3.729	3.822	10.86
MS9725-20	1.803-1.823	1.167	1.260	5.08	MS9725-62	4.428-4.448	3.792	3.885	11.00
MS9725-21	1.865-1.885	1.229	1.322	5.22	MS9725-63	4.491-4.511	3.855	3.948	11.15
MS9725-22	1.928-1.948	1.292	1.385	5.37	MS9725-64	4.553-4.573	3.917	4.010	11.29
MS9725-23	1.991-2.011	1.355	1.448	5.51	MS9725-65	4.615-4.635	3.979	4.072	11.43
MS9725-24	2.053-2.073	1.417	1.510	5.65	MS9725-66	4.678-4.698	4.042	4.135	11.57
MS9725-25	2.115-2.135	1.479	1.572	5.79	MS9725-67	4.741-4.761	4.105	4.198	11.71
MS9725-26	2.178-2.198	1.542	1.635	5.93	MS9725-68	4.803-4.823	4.167	4.260	11.85
MS9725-27	2.241-2.261	1.605	1.698	6.07	MS9725-69	4.865-4.885	4.229	4.322	11.99
MS9725-28	2.303-2.323	1.667	1.760	6.21	MS9725-70	4.928-4.948	4.292	4.385	12.13
MS9725-29	2.365-2.385	1.729	1.822	6.35	MS9725-71	4.991-5.011	4.355	4.448	12.28
MS9725-30	2.428-2.448	1.792	1.885	6.49	MS9725-72	5.053-5.073	4.417	4.510	12.42
MS9725-31	2.491-2.511	1.855	1.948	6.64	MS9725-73	5.115-5.135	4.479	4.572	12.56
MS9725-32	2.553-2.573	1.917	2.010	6.78	MS9725-74	5.178-5.198	4.542	4.635	12.70
MS9725-33	2.615-2.635	1.979	2.072	6.92	MS9725-75	5.241-5.261	4.605	4.698	12.84
MS9725-34	2.678-2.698	2.042	2.135	7.06	MS9725-76	5.303-5.323	4.667	4.760	12.98
MS9725-35	2.741-2.761	2.105	2.198	7.20	MS9725-77	5.365-5.385	4.729	4.822	13.12
MS9725-36	2.803-2.823	2.167	2.260	7.34	MS9725-78	5.428-5.448	4.792	4.885	13.26
MS9725-37	2.865-2.885	2.229	2.322	7.48	MS9725-79	5.491-5.511	4.855	4.948	13.40
MS9725-38	2.928-2.948	2.292	2.385	7.62	MS9725-80	5.553-5.573	4.917	5.010	13.54
MS9725-39	2.991-3.011	2.355	2.448	7.76	MS9725-81	5.615-5.635	4.979	5.072	13.68
MS9725-40	3.053-3.073	2.417	2.510	7.91	MS9725-82	5.678-5.698	5.042	5.135	13.83
MS9725-41	3.115-3.135	2.479	2.572	8.04					
MS9725-42	3.178-3.198	2.542	2.635	8.19					
MS9725-43	3.241-3.261	2.605	2.698	8.33					
MS9725-44	3.303-3.323	2.667	2.760	8.47					