

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."

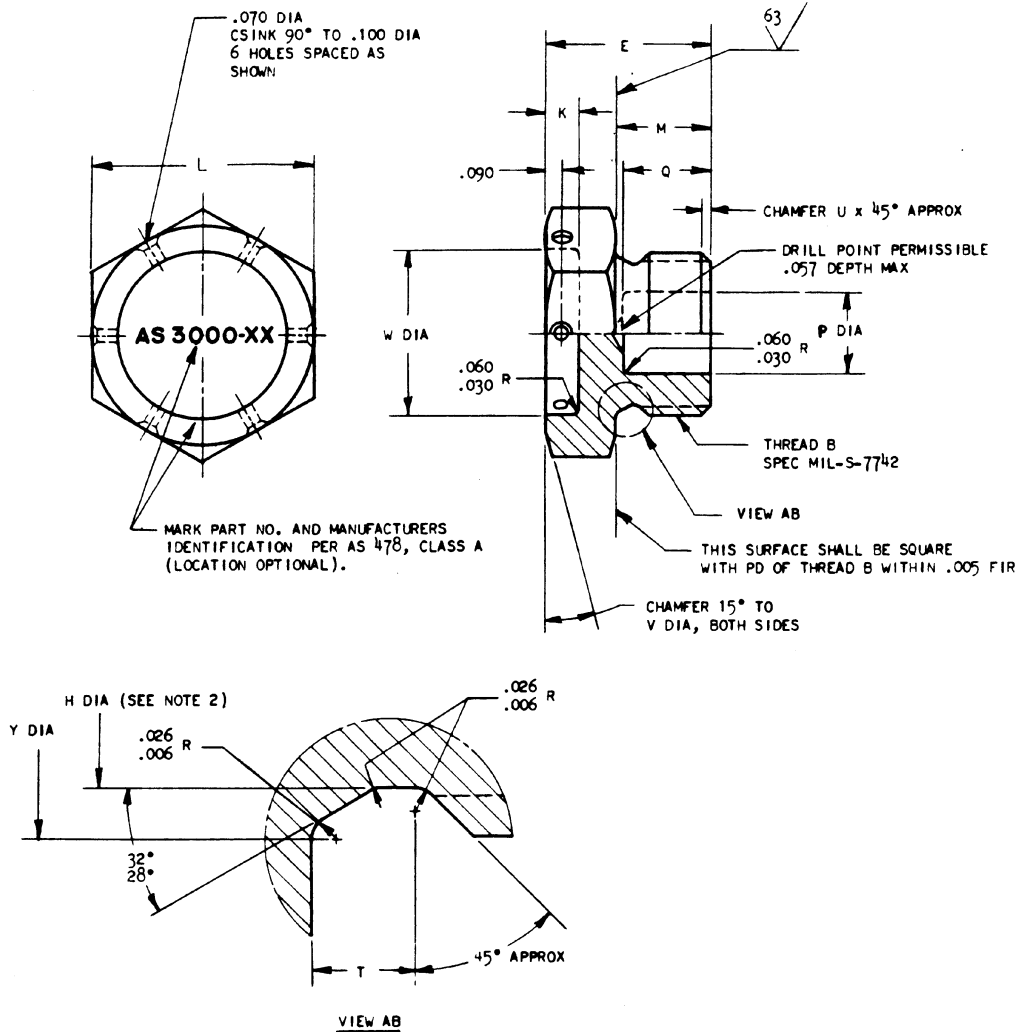
SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

AS3000

FEDERAL SUPPLY CLASS

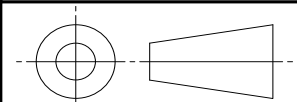
RATIONALE

AS3000 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.



SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3000>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25



AEROSPACE STANDARD

PLUG, MACHINE THREAD – AMS 5646, METAL GASKET, REDUCED DIAMETER THREAD

AS3000
SHEET 1 OF 3



Documents

Copyright 2015 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>

TABLE 1

PART NO.	THREAD B				E	H +.000 -.010	J (SEE NOTE 1)	K	L
	SIZE	MAJOR DIA	PITCH DIA	MINOR DIA MAX					
AS3000-01	.250-.28 UNS-3A	.2405-.2470	.2213-.2238	.2032	.560	.190	.013	.150	.430-.439
AS3000-02	.3125-.24 UNS-3A	.3023-.3095	.2797-.2824	.2584	.600	.245	.017	.150	.553-.564
AS3000-03	.375-.24 UNS-3A	.3648-.3720	.3420-.3449	.3209	.600	.310	.019	.150	.616-.627
AS3000-04	.4375-.20 UNS-3A	.4264-.4345	.3989-.4020	.3732	.660	.360	.021	.150	.679-.690
AS3000-05	.500-.20 UNS-3A	.4889-.4970	.4613-.4645	.4357	.670	.420	.023	.150	.741-.752
AS3000-06	.5625-.18 UNS-3A	.5508-.5595	.5200-.5234	.4913	.680	.475	.024	.150	.802-.814
AS3000-07	.625-.18 UNS-3A	.6133-.6220	.5824-.5859	.5538	.730	.540	.026	.160	.865-.877
AS3000-08	.750-.16 UNS-3A	.7376-.7470	.7026-.7064	.6703	.730	.655	.030	.160	.990-1.002
AS3000-09	.8125-.16 UNS-3A	.8001-.8095	.7653-.7689	.7328	.740	.715	.030	.160	1.052-1.064
AS3000-10	.875-.14 UNS-3A	.8617-.8720	.8215-.8256	.7844	.740	.770	.030	.160	1.114-1.127
AS3000-11	1.000-.12 UNS-3A	.9856-.9970	.9385-.9429	.8948	.780	.875	.030	.180	1.301-1.314
AS3000-12	1.0625-.12 UNS-3A	1.0481-1.0595	1.0012-1.0054	.9573	.830	.940	.030	.200	1.364-1.377
AS3000-13	1.125-.12 UNS-3A	1.1106-1.1220	1.0634-1.0679	1.0198	.830	1.000	.030	.200	1.427-1.440
AS3000-14	1.1875-.12 UNS-3A	1.1731-1.1845	1.1261-1.1304	1.0823	.830	1.060	.030	.200	1.489-1.502
AS3000-16	1.3125-.12 UNS-3A	1.2981-1.3095	1.2511-1.2554	1.2073	.840	1.190	.030	.200	1.614-1.627
AS3000-18	1.500-.12 UNS-3A	1.4856-1.4970	1.4381-1.4429	1.3948	.840	1.375	.030	.200	1.738-1.752
AS3000-20	1.625-.12 UNS-3A	1.6106-1.6220	1.5635-1.5679	1.5198	.850	1.500	.050	.200	1.926-1.940
AS3000-24	1.875-.12 UNS-3A	1.8606-1.8720	1.8134-1.8179	1.7698	.860	1.750	.050	.200	2.176-2.190
AS3000-28	2.250-.12 UNS-3A	2.2356-2.2470	2.1884-2.1929	2.1448	.870	2.130	.050	.200	2.550-2.564
AS3000-32	2.500-.12 UNS-3A	2.4856-2.4970	2.4383-2.4429	2.3948	.870	2.375	.050	.200	2.800-2.814

PART NO.	M	P	Q	T ±.010	U	V	W	Y ±.020	APPROX WEIGHT LB/100
AS3000-01	.320	—	—	.059	.020-.050	.438	.250	.250	1.05
AS3000-02	.360	—	—	.059	.020-.050	.562	.312	.312	1.84
AS3000-03	.360	—	—	.059	.020-.050	.625	.375	.375	2.35
AS3000-04	.400	—	—	.073	.030-.060	.688	.438	.438	3.28
AS3000-05	.400	.219	.340	.073	.030-.060	.750	.500	.500	3.57
AS3000-06	.400	.219	.340	.082	.040-.070	.812	.562	.562	5.02
AS3000-07	.440	.312	.380	.082	.040-.070	.875	.625	.625	5.63
AS3000-08	.440	.438	.400	.094	.040-.070	1.000	.750	.750	7.60
AS3000-09	.440	.500	.400	.094	.040-.070	1.062	.812	.812	8.46
AS3000-10	.440	.548	.400	.109	.050-.080	1.125	.875	.875	10.24
AS3000-11	.440	.657	.400	.128	.050-.080	1.312	1.000	1.000	13.36
AS3000-12	.480	.719	.400	.128	.050-.080	1.375	1.062	1.062	15.12
AS3000-13	.480	.781	.400	.128	.050-.080	1.438	1.125	1.125	16.15
AS3000-14	.480	.844	.400	.128	.050-.080	1.500	1.188	1.188	17.18
AS3000-16	.480	.969	.400	.128	.050-.080	1.625	1.312	1.312	19.86
AS3000-18	.480	1.156	.400	.128	.050-.080	1.750	1.438	1.500	22.50
AS3000-20	.480	1.281	.400	.128	.050-.080	1.938	1.625	1.625	26.69
AS3000-24	.480	1.531	.400	.128	.050-.080	2.188	1.875	1.875	32.70
AS3000-28	.480	1.906	.400	.128	.050-.080	2.562	2.250	2.250	43.43
AS3000-32	.480	2.156	.400	.128	.050-.080	2.812	2.500	2.500	51.70



AEROSPACE STANDARD

PLUG, MACHINE THREAD – AMS 5646, METAL
GASKET, REDUCED DIAMETER THREAD

AS3000

SHEET 2 OF 3

Documents



Document Sharing Hub