

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

AS3553™

FEDERAL SUPPLY CLASS
5310

RATIONALE

FIGURE REDRAWN TO LATEST AS1132 STANDARD, USAGE NOTE ADDED, SPEC NOTES UPDATED.

AS3553B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

A REAFFIRMED STATUS IS GIVEN TO TECHNICAL REPORTS THAT HAVE BEEN REVIEWED BY THE TECHNICAL COMMITTEE AND DEEMED TO BE CURRENT WITH NO NEED FOR IMMEDIATE REVISION. NO CHANGES HAVE BEEN MADE TO THIS DOCUMENT AS A RESULT OF THIS REVIEW.

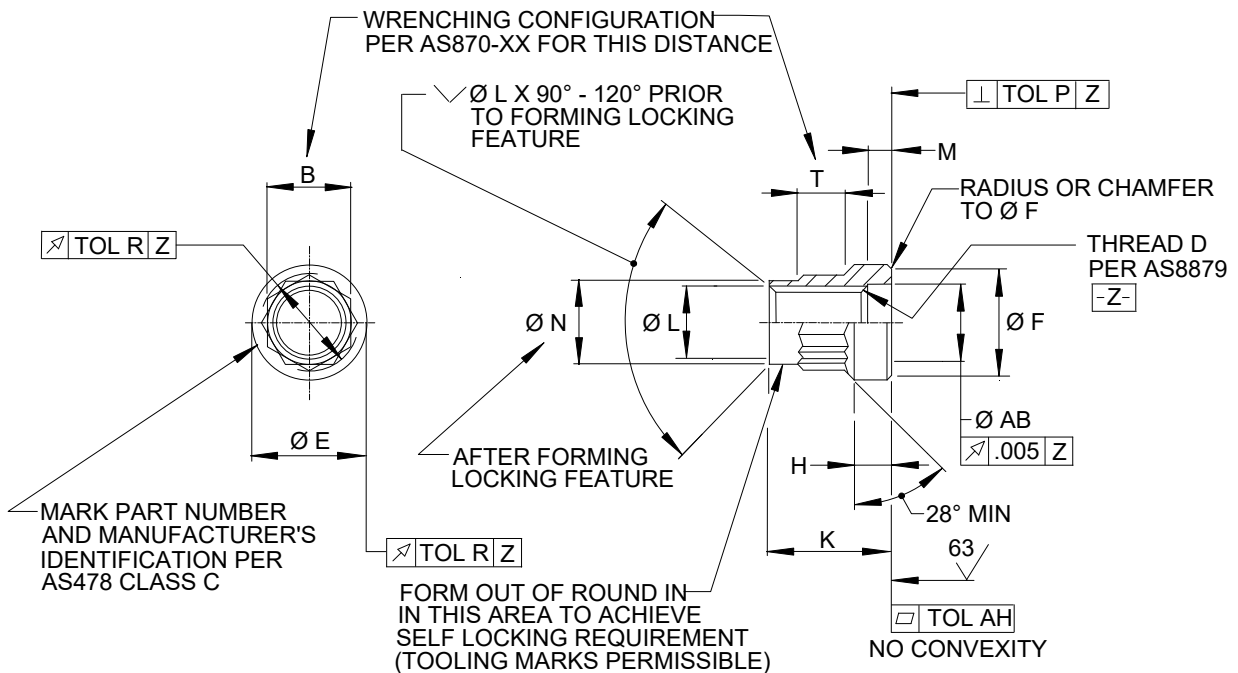
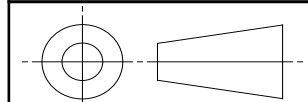


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3553B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7253



AEROSPACE STANDARD

(R) NUT, SELF-LOCKING, DOUBLE HEXAGON,
SILVER PLATED, COUNTERBORED
180 KSI, 1400 °F, UNS N07001

AS3553™
SHEET 1 OF 3

REV.
B

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 1A

PART NUMBER	D THREAD	B NOM	AS870 DASH NO.	E MAX	F MIN	AB	H MIN	K MAX
AS3553-09	.190-32 UNJF-3B	.2500	08	.340	.325	.200-.210	.125	.400
AS3553-10	.250-28 UNJF-3B	.3125	10	.450	.410	.260-.270	.170	.510
AS3553-11	.3125-24 UNJF-3B	.3750	12	.525	.495	.323-.333	.175	.580
AS3553-12	.375-24 UNJF-3B	.4375	14	.600	.560	.385-.395	.195	.645
AS3553-13	.4375-20 UNJF-3B	.5625	18	.690	.650	.448-.458	.220	.745
AS3553-14	.500-20 UNJF-3B	.6250	20	.780	.740	.510-.525	.240	.830
AS3553-15	.5625-18 UNJF-3B	.6875	22	.880	.840	.573-.583	.270	.928
AS3553-16	.625-18 UNJF-3B	.7812	25	.970	.925	.635-.645	.290	1.020
AS3553-17	.750-16 UNJF-3B	.9375	30	1.230	1.180	.760-.770	.320	1.222

TABLE 1B

PART NUMBER	L	M	N MAX	T MIN	P	R	AH	APPROX MASS LB/100
AS3553-09	.190-.210	.085-.105	.262	.082	.004	.006	.0014	.44
AS3553-10	.250-.270	.100-.120	.326	.130	.005	.007	.0014	.77
AS3553-11	.312-.332	.115-.135	.392	.170	.005	.008	.0016	1.22
AS3553-12	.375-.395	.115-.135	.458	.210	.005	.009	.0016	1.90
AS3553-13	.438-.458	.140-.160	.588	.230	.005	.010	.0020	3.31
AS3553-14	.500-.520	.140-.160	.654	.260	.006	.012	.0020	4.42
AS3553-15	.562-.582	.160-.180	.720	.320	.006	.014	.0020	7.96
AS3553-16	.625-.645	.160-.180	.817	.370	.007	.015	.0020	10.80
AS3553-17	.750-.770	.180-.200	.980	.500	.007	.016	.0020	19.57

NOTES:

1. MATERIAL: HEAT RESISTANT NICKEL ALLOY AMS5708.
2. FINISH: SILVER PLATE PER AMS2411; SILVER PLATE ONLY ON THREADS WITH OPTIONAL COVERAGE ON COUNTERSINKS AND COUNTERBORE. NO SILVER SHALL ENCROACH ON THE SEATING SURFACE. DIMENSIONS APPLY AFTER PLATING.
3. PROCUREMENT SPECIFICATION: AS7253.
4. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
5. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M TYPE I, SENSITIVITY LEVEL 2 MINIMUM, PRIOR TO PLATING.
6. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
7. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
8. DIMENSIONS ARE IN INCHES.
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

	AEROSPACE STANDARD		AS3553™ SHEET 2 OF 3	REV. B
	(R) NUT, SELF-LOCKING, DOUBLE HEXAGON, SILVER PLATED, COUNTERBORED 180 KSI, 1400 °F, UNS N07001			

