

RATIONALE

DELETE INSIDE RADII (N) AT TRANSITION OF BASE FLANGE TO WRENCHING ELEMENT, ADD NEW EXISTING INVENTORY USE NOTE, GENERAL EDITORIAL UPDATE.

AS6146A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

REV.
A

AS6146™

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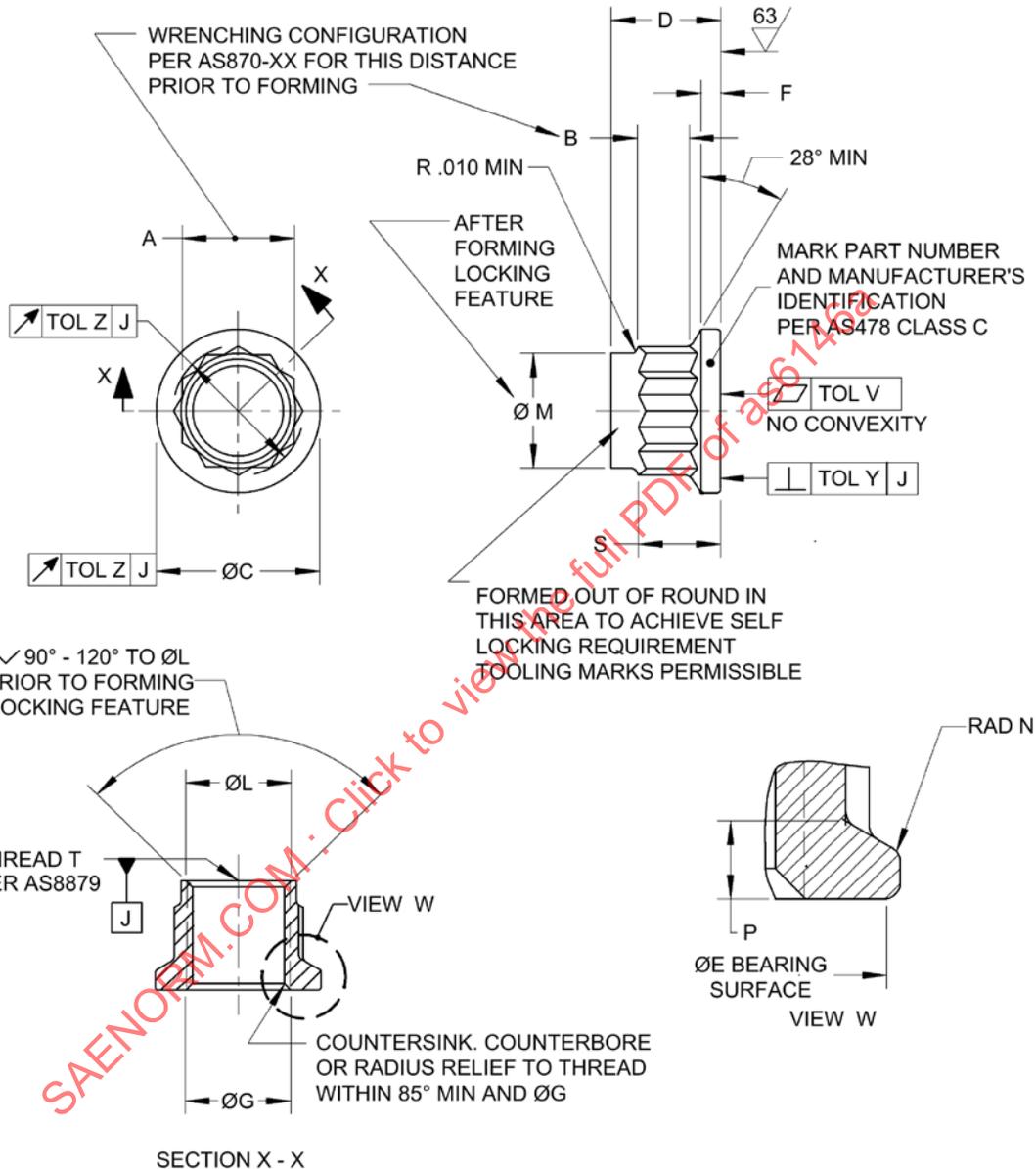
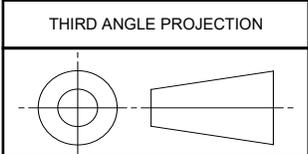


FIGURE 1 - NUT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6146A/>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7251



AEROSPACE STANDARD

NUT, SELF-LOCKING,
DOUBLE HEXAGON,
REDUCED ENVELOPE, UNS S6286

AS6146™
SHEET 1 OF 3

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TABLE 1A - DIMENSIONS T, AND A TO E

PART NUMBER	THREAD T	AS870 DASH NUMBER	A NOM.	B MIN.	ØC MAX.	D	ØE MIN.
AS6146-08	.1640-36 UNJF-3B	07	.2188	.070	.294	.230 - .250	.264
AS6146-09	.1900-32 UNJF-3B	08	.2500	.070	.355	.230 - .250	.325
AS6146-10	.2500-28 UNJF-3B	10	.3125	.095	.450	.308 - .328	.410
AS6146-11	.3125-24 UNJF-3B	12	.3750	.108	.535	.340 - .360	.495
AS6146-12	.3750-24 UNJF-3B	14	.4375	.147	.608	.438 - .458	.559
AS6146-13	.4375-20 UNJF-3B	18	.5625	.150	.692	.449 - .469	.652
AS6146-14	.5000-20 UNJF-3B	20	.6250	.176	.786	.548 - .568	.746
AS6146-15	.5625-18 UNJF-3B	22	.6875	.205	.880	.613 - .633	.840

TABLE 1B - DIMENSIONS F TO P

PART NUMBER	F	ØG	ØL	ØM MAX.	N	P MAX.
AS6146-08	.045 - .060	.164 - .194	.164 - .184	.229	.005 - .020	.090
AS6146-09	.045 - .060	.190 - .220	.190 - .210	.262	.005 - .030	.095
AS6146-10	.045 - .060	.250 - .280	.250 - .270	.326	.005 - .030	.110
AS6146-11	.060 - .075	.312 - .342	.312 - .332	.392	.005 - .035	.130
AS6146-12	.070 - .090	.375 - .405	.375 - .395	.458	.005 - .040	.150
AS6146-13	.080 - .100	.438 - .468	.438 - .458	.588	.005 - .040	.150
AS6146-14	.100 - .120	.500 - .535	.500 - .520	.654	.005 - .060	.180
AS6146-15	.110 - .130	.562 - .597	.562 - .582	.720	.005 - .070	.195

TABLE 1C - DIMENSIONS S TO Z AND MASS

PART NUMBER	S	Y	Z	APPROX. MASS LB/100
AS6146-08	.135 - .175	.0012	.004	.17
AS6146-09	.150 - .190	.0014	.004	.22
AS6146-10	.190 - .235	.0014	.005	.41
AS6146-11	.220 - .270	.0016	.005	.70
AS6146-12	.270 - .330	.0016	.005	.99
AS6146-13	.270 - .330	.0020	.006	1.51
AS6146-14	.335 - .405	.0020	.006	2.35
AS6146-15	.380 - .460	.0020	.007	3.67