

FED. SUPPLY CLASS

5310

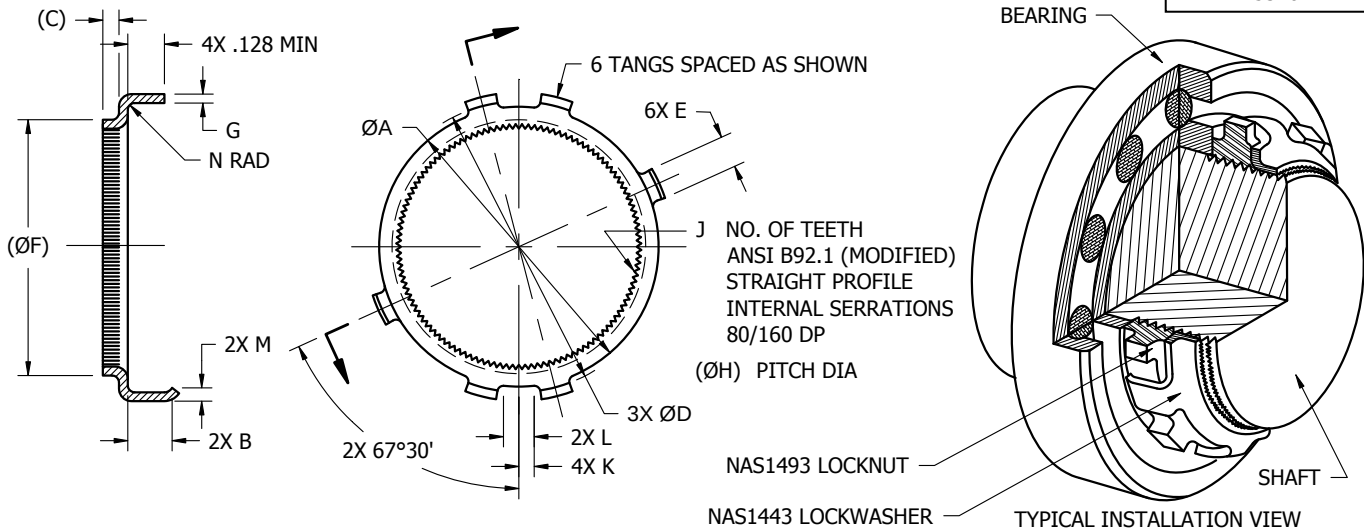


TABLE I – DIMENSIONS

BASIC PART NO.	MAJOR DIA OF THD ON SHAFT (REF)	ØA	B +.010 -.000	(C)	ØD +.010 -.000	E	(ØF)	G	(ØH)	J	K	L +.010 -.000	M ±.005	N RAD ±.005
NAS1443-1	.391-32	.531	.128	.149	.604	.095	.464	.024	.375	30	.075	.150	.055	.037
NAS1443-2	.469-32	.625	.128	.152	.698	.115	.551	.024	.450	36	.075	.150	.063	.040
NAS1443-3	.586-32	.750	.159	.125	.822	.115	.677	.050	.575	46	.075	.150	.091	.045
NAS1443-4	.664-32	.875	.159	.125	.948	.115	.734	.050	.650	52	.075	.150	.080	.049
NAS1443-5	.781-32	1.000	.190	.125	1.072	.178	.855	.050	.762	61	.106	.213	.095	.049
NAS1443-6	.969-32	1.188	.190	.125	1.260	.178	1.042	.050	.950	76	.106	.213	.095	.039
NAS1443-7	1.173-18	1.438	.221	.125	1.510	.178	1.255	.050	1.162	93	.106	.213	.095	.044
NAS1443-8	1.376-18	1.656	.221	.125	1.729	.178	1.455	.050	1.362	109	.106	.213	.095	.044
NAS1443-9	1.563-18	1.844	.221	.125	1.916	.240	1.642	.050	1.550	124	.137	.275	.095	.044
NAS1443-10	1.767-18	2.062	.252	.125	2.135	.240	1.842	.050	1.750	140	.137	.275	.095	.049
NAS1443-11	1.967-18	2.250	.252	.125	2.322	.240	2.042	.050	1.950	156	.137	.275	.095	.059
NAS1443-12	2.157-18	2.500	.252	.125	2.572	.240	2.230	.050	2.137	171	.137	.275	.095	.039
NAS1443-13	2.360-18	2.688	.284	.125	2.760	.240	2.442	.050	2.350	188	.137	.275	.095	.049
NAS1443-14	2.548-18	2.875	.284	.125	2.948	.240	2.630	.050	2.537	203	.137	.275	.095	.050
NAS1443-15	2.751-18	3.094	.284	.125	3.166	.240	2.830	.050	2.737	219	.137	.275	.095	.059
NAS1443-16	2.933-12	3.375	.305	.125	3.448	.365	3.005	.050	2.912	233	.200	.400	.095	.050
NAS1443-17	3.137-12	3.594	.317	.125	3.666	.365	3.217	.050	3.125	250	.200	.400	.095	.049
NAS1443-18	3.340-12	3.813	.315	.125	3.885	.365	3.417	.050	3.325	266	.200	.400	.095	.050
NAS1443-19	3.527-12	4.000	.315	.125	4.072	.365	3.605	.050	3.512	281	.200	.400	.095	.050
NAS1443-20	3.730-12	4.219	.339	.125	4.291	.365	3.805	.050	3.712	297	.200	.400	.095	.059
NAS1443-21	3.918-12	4.406	.337	.125	4.482	.365	3.999	.050	3.900	312	.200	.400	.095	.049
NAS1443-22	4.122-12	4.594	.356	.125	4.666	.490	4.192	.050	4.100	328	.262	.525	.095	.049
NAS1443-23	4.325-12	4.812	.347	.125	4.885	.490	4.405	.050	4.312	345	.262	.525	.095	.049

MATERIAL: STEEL 1050 (UNS G10500) PER AMS5085. /5/
STEEL 4130 (UNS G41300) PER MIL-S-18729 AMS6345, AMS6350, AMS6351, OR MIL-S-6758 AMS-S-6758.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 7
PROCUREMENT SPECIFICATION NONE	TITLE LOCKWASHER, BEARING, RETAINING	CLASSIFICATION PART STANDARD
		NAS1443 SHEET 1 OF 2

HEAT TREATMENT:

HARDNESS 34-38 HRC PER AMS2759.

FINISH:

BLACK OXIDE – DULITE OR EQUIVALENT PER MIL-DTL-13924, CLASS 1. 7
CADMIUM PLATE – AMS-QQ-P-416 TYPE II, CLASS 2.

CODE:

MATERIAL CODE:

"S" INDICATES 4130 STEEL.

DASH INDICATES 1050 STEEL. /5/

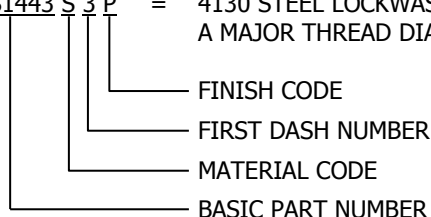
FINISH CODE:

"P" INDICATES CADMIUM PLATE.

NO LETTER INDICATES BLACK OXIDE.

EXAMPLES OF PART NUMBERS:

NAS1443 S 3 P = 4130 STEEL LOCKWASHER, CADMIUM PLATED TO FIT A SHAFT AND NUT HAVING
A MAJOR THREAD DIA OF Ø.586.



NAS1443-3 = 1050 STEEL LOCKWASHER WITH A BLACK OXIDE FINISH TO FIT A SHAFT AND
NUT HAVING A MAJOR THREAD DIA OF Ø.586. /5/

NOTES:

- (1) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS ±.010; ANGLES ±1/2°.
- (2) THIS LOCKWASHER IS INTENDED FOR USE WITH THE NAS1493 LOCKNUT AND FOR POSITIVE TORSIONAL LOCK BETWEEN SHAFT AND BEARING LOCKNUT FOR POSITIVE BEARING RETENTION WHERE VIBRATION IS A FACTOR AND PRECISE TORQUE SETTING MUST BE USED.
- (3) REMOVE ALL BURRS AND BREAK SHARP EDGES .005 TO .015.
- (4) TOTAL PERMISSIBLE OUT-OF-ROUNDNESS .035. THIS CONDITION CORRECTS ITSELF UPON INSTALLATION.
- /5/ INACTIVE FOR DESIGN AFTER 31 JAN. 1971. FOR DESCRIPTION OF STATUS NOTES SEE NAS380.
- (6) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (9) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

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NAS1443
SHEET 2



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