



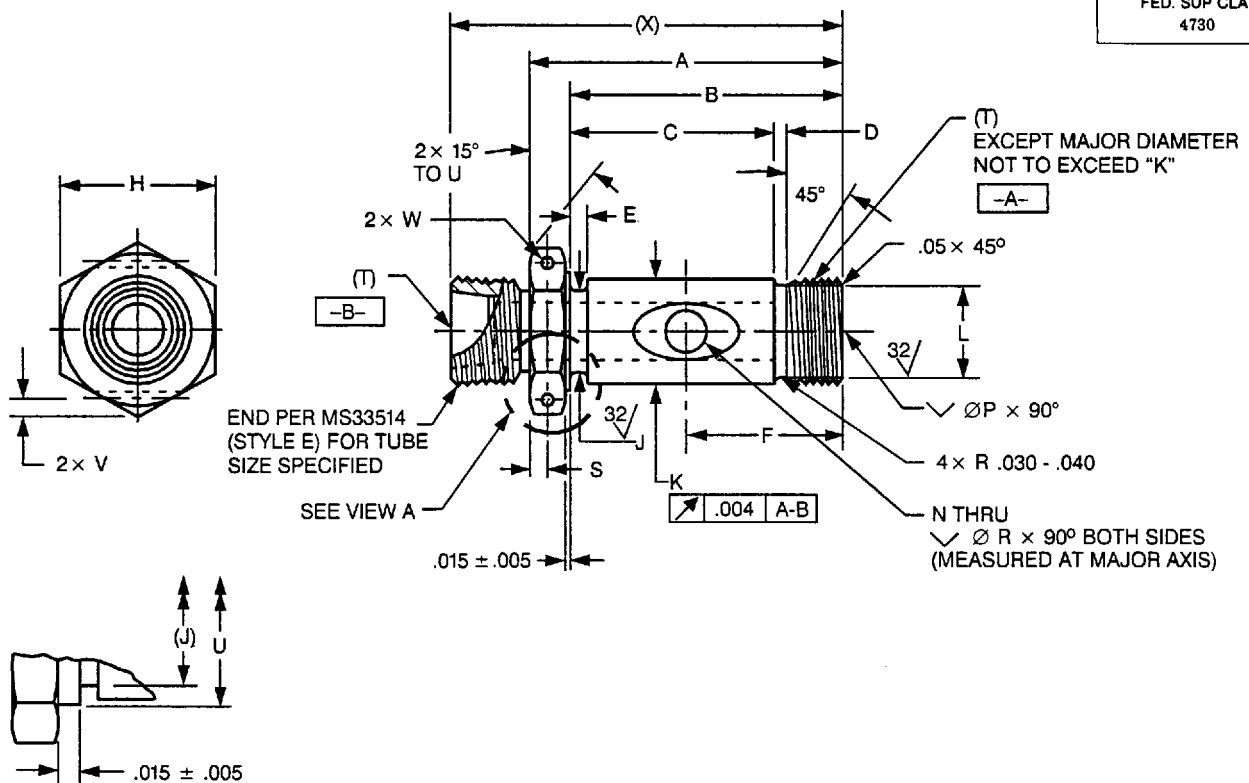
Aerospace
Industries
Association

AIA/NAS NAS*1236 93 0318743 0501091 235

NATIONAL AEROSPACE STANDARD

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FED. SUP CLASS
4730



VIEW A

TABLE I

BASIC PART NO. NAS1236	TUBE OD	T THREAD REF	A ± .010	B ± .010	C ± .005	D ± .005	E ± .010	F ± .015	H HEX ± .016	Ø J ± .001
-4	.250	.4375-20UNJF-3A	1.375	1.187	.781	.075	.094	.796	.688	.326
-5	.313	.5000-20UNJF-3A	1.437	1.250	.875	.075	.094	.812	.750	.389
-6	.375	.5625-18UNJF-3A	1.562	1.343	.968	.083	.141	.859	.813	.385
-8	.500	.7500-16UNJF-3A	1.937	1.687	1.218	.094	.141	1.078	1.000	.573
-10	.625	.8750-14UNJF-3A	2.156	1.875	1.375	.107	.141	1.187	1.125	.698
-12	.750	1.0625-12UNJ-3A	2.562	2.250	1.687	.125	.188	1.406	1.375	.820
-16	1.000	1.3125-12UNJ-3A	3.125	2.750	2.125	.125	.188	1.687	1.625	1.070

INACTIVE FOR DESIGN AFTER 8/30/69 NO SUPERSEDING STANDARD

LIST OF CURRENT SHEETS

NO.	REV
1	3
2	1

③ COMPLETELY REVISED

CUSTODIAN	NATIONAL AEROSPACE STANDARDS COMMITTEE	THIRD ANGLE PROJECTION
PROCUREMENT SPECIFICATION	TITLE	CLASSIFICATION
MIL-F-18280	BOLT - UNIVERSAL, TUBE END - FLARELESS	STANDARD PART

NAS 1236 Documents
SHEET 1 OF 2
Document Sharing Hub



TABLE I (CONTINUED)

BASIC PART NO. NAS1236	Ø U +.000 -.020	Ø K +.000 -.001	Ø L +.003 -.002	M ± .010	N ± .010	Ø P	Ø R	S ± .010	V ± .010	Ø W +.010 -.000	X REF
-4	.688	.435	.364	.172	.172	.250	.281	.090	.080		1.828
-5	.750	.498	.427	.234	.219	.312	.344	.090	.090	.046	1.890
-6	.813	.560	.482	.297	.250	.375	.375	.105	.090		2.031
-8	1.000	.748	.660	.391	.313	.500	.438	.120	.109		2.499
-10	1.125	.873	.773	.484	.375	.625	.531	.135	.109	.070	2.781
-12	1.375	1.060	.945	.609	.438	.750	.656	.150	.125		3.250
-16	1.625	1.310	1.195	.844	.625	1.000	.906	.180	.125		3.813

MATERIAL: SEE PROCUREMENT SPECIFICATION, EXCEPT ALUMINUM ALLOY MATERIAL LIMITED TO 2024-T6 OR T851 PER SPECIFICATIONS QQ-A-200/3, QQ-A-225/6 OR QQ-A-250/4.

HEAT TREATMENT: STEEL - 125,000 PSI ULTIMATE TENSILE STRENGTH MINIMUM PER SPECIFICATION MIL-H-6875.

FINISH: SEE PROCUREMENT SPECIFICATION.

MARKING: EACH BOLT SHALL BE PERMANENTLY AND LEGIBLY MARKED WITH THE MANUFACTURERS NAME OR TRADEMARK AND NAS PART NUMBER.

SURFACE ROUGHNESS: 125 MICROINCHES R_a PER ANSI/ASME B46.1, EXCEPT AS NOTED.

ALL THREADS PER MIL-S-8879, EXCEPT AS NOTED.

CODING: NO PREFIX ON DASH NUMBER INDICATES STEEL.

- (6) PREFIX "A" ON DASH NUMBER INDICATES ALUMINUM ALLOY.
 PREFIX "J" ON DASH NUMBER INDICATES CORROSION RESISTING STEEL, TYPE 304.
 PREFIX "K" ON DASH NUMBER INDICATES CORROSION RESISTING STEEL, TYPE 316.
 PREFIX "S" ON DASH NUMBER INDICATES CORROSION RESISTING STEEL, TYPE 347.
 SUFFIX "H" ON DASH NUMBER INDICATES BOLT HEAD DRILLED FOR LOCKWIRE.
 PREFIX "R" ON DASH NUMBER INDICATES CORROSION RESISTING STEEL, TYPE 321.

EXAMPLE OF PART NUMBER: NAS1236-4 = STEEL BOLT FOR .250 TUBE OD FITTING.
 NAS1236-4H = STEEL BOLT FOR .250 TUBE OD FITTING WITH THE HEAD DRILLED FOR LOCKWIRE.
 NAS1236A4 = ALUMINUM ALLOY BOLT FOR .250 TUBE OD FITTING.
 NAS1236J4 = CORROSION RESISTING STEEL BOLT TYPE 304 FOR .250 TUBE OD.
 NAS1236K4 = CORROSION RESISTING STEEL BOLT TYPE 316 FOR .250 TUBE OD.
 NAS1236R4 = CORROSION RESISTING STEEL BOLT TYPE 321 FOR .250 TUBE OD.

NOTES:

- (1) DIMENSIONS APPLY AFTER PLATING.
- (2) DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.
TOLERANCES: ± .015, ANGLES ± 2° EXCEPT AS NOTED.
- (3) BREAK ALL SHARP EDGES .005-.010 AND REMOVE ALL HANGING BURRS AND SLIVERS.
- (4) INSTALL PER NAS550.
- (5) FOR DESCRIPTION OF STATUS NOTES SEE NAS380.
- (6) EXISTING STOCK CODED "C" OR "CF" MAY BE USED UNTIL DEPLETED. CODE "CF" REPLACED BY "J" AND "K" CODES, EXCEPT "CF" MAY ALSO BE 302, 303 OR 321 STEEL. CODE "C" REPLACED BY "S" CODE, EXCEPT "C" MAY ALSO BE 304L STEEL. CODE "S" REPLACED BY CODE "R".
- (7) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M.

① COMPLETELY REVISED

NAS 1236 documents
SHEET 2