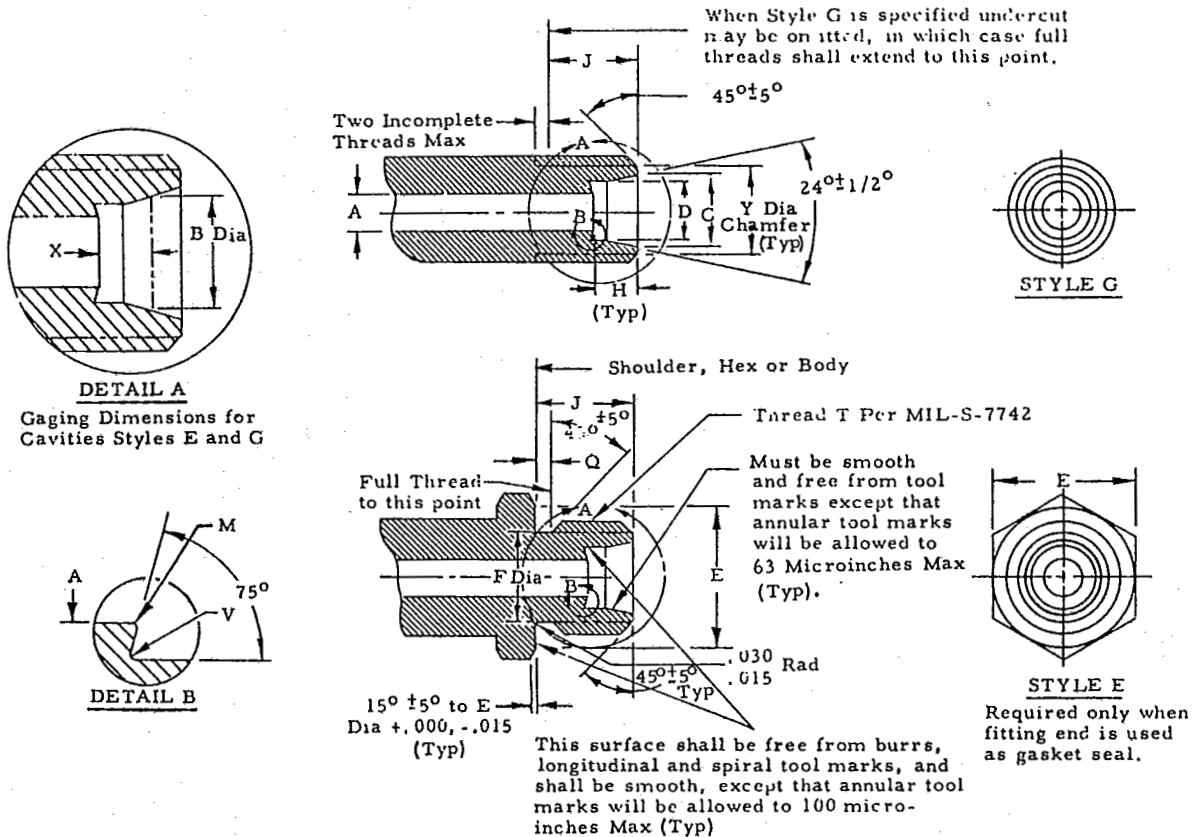


NATIONAL AIRCRAFT STANDARDS COMMITTEE

AIRCRAFT INDUSTRIES ASSOCIATION OF AMERICA, INC., 610 SHOREHAM BUILDING, WASHINGTON 5, D. C.



APPROVED CALLOUT (a)	Tube O. D.	Thread T	A ±.003	C Ref	D +.004 -.000	E	F +.002 -.003	H +.015 -.005	J ±.010	Q +.015 -.000
NAS1214()2	1/8	5/16-24 UNF-3A	.093	.189	.135	.563	.250	.188	.375	.063
NAS1214()3	3/16	3/8-24 UNF-3A	.125	.267	.196	.625	.313	.234	.422	
NAS1214()4	1/4	7/16-20 UNF-3A	.187	.319	.261	.688	.364	.234	.453	.075
NAS1214()5	5/16	1/2-20 UNF-3A	.234	.382	.324	.750	.427	.250		
NAS1214()6	3/8	9/16-18 UNF-3A	.297	.441	.386	.813	.482	.250	.469	.083
NAS1214()8	1/2	3/4-16 UNF-3A	.422	.601	.514	1.000	.660	.305	.562	.094
NAS1214()10	5/8	7/8-14 UNF-3A	.500	.727	.641	1.125	.773	.350	.625	.107
NAS1214()12	3/4	1 1/16-12 UN-3A	.656	.852	.766	1.375	.945	.350	.668	.125
NAS1214()16	1	1 5/16-12 UN-3A	.875	1.102	1.016	1.625	1.195	.415		
NAS1214()20	1 1/4	1 5/8-12 N-3A	1.093	1.355	1.270	1.875	1.507	.415		

APPROVED CALLOUT (a)	V Rad		W Max	M Rad Max	Y ±.010	B Basic ±.000	X ±.005
	Max	Min					
NAS1214()2	.010	.005	.005	.005	.250	.163	.128
NAS1214()3					.310	.234	.158
NAS1214()4					.365	.293	.174
NAS1214()5					.425	.356	.190
NAS1214()6					.480	.416	.193
NAS1214()8	.015	.010	.008	.010	.660	.560	.210
NAS1214()10					.775	.686	.255
NAS1214()12					.945	.810	.253
NAS1214()16					1.195	1.062	.322
NAS1214()20	.030	.020			1.505	1.316	.325

(a) ADD "E" IN PLACE OF BRACKETS FOR STYLE "E". ADD "G" IN PLACE OF BRACKETS FOR STYLE "G".

① INACTIVE FOR DESIGN AFTER 2/15/58 SEE DRAWING MS33514
FOR DEFINITION OF DRAWING STATUS NOTES SEE NAS 380.

TITLE
FITTING END - STANDARD DIMENSIONS FOR
FLARELESS TUBE CONNECTIONS AND GASKET SEAL

CLASSIFICATION
DESIGN STANDARD

NAS 1214
SHEET 1

Documents

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NATIONAL AIRCRAFT STANDARDS COMMITTEE

AIRCRAFT INDUSTRIES ASSOCIATION OF AMERICA, INC., 610 SHOREHAM BUILDING, WASHINGTON 5, D. C.

CONCENTRICITY: D, C AND T (PITCH DIAMETER) SHALL BE CONCENTRIC TO EACH OTHER WITHIN .008 TOTAL INDICATOR READING.
F AND T (PITCH DIAMETER) SHALL BE CONCENTRIC TO EACH OTHER WITHIN .005 TOTAL INDICATOR READING.

IDENTIFICATION: PARTS CONTROLLED BY THIS DESIGN STANDARD SHALL BE MARKED WITH A SQUARE. THE SQUARE SHALL APPEAR ON THE SAME AREA AS THE PART NUMBER OR MANUFACTURER'S NAME OR TRADE-MARK AND SHALL BE APPROXIMATELY THE SAME SIZE AS THE CHARACTERS IN THE PART NUMBER. ON ALL MS FLARELESS TUBE FITTINGS THE SQUARE SHALL BE APPLIED BY EMBOSSING, IMPRESSION STAMPING, OR INK STAMPING. ALL OTHER COMPONENTS AFFECTED SHALL BE MARKED BY A METHOD WHICH IS PERMITTED BY THE APPLICABLE PART SPECIFICATION OR DRAWING.

- NOTES: 1. SQUARENESS BETWEEN THREADS AND FACE OF HEX SHALL NOT EXCEED W WHEN MEASURED AT DIAMETER E.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. THIS STANDARD IDENTICAL WITH MS33514 REV. (C) EXCEPT FOR ADDITIONAL CONTROLS ESTABLISHED BY DIMENSIONS B AND X.

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DECIMALS $\pm .016$, ANGLES $\pm 1/2^\circ$.

① INACTIVE FOR DESIGN AFTER 2/15/58 SEE DRAWING MS 33514
FOR DEFINITION OF DRAWING STATUS NOTES SEE NAS 380.

APPROVAL DATE January 1957 REVISION ① 15 Feb. 1958

TITLE	CLASSIFICATION
FITTING END - STANDARD DIMENSIONS FOR FLARELESS TUBE CONNECTIONS AND GASKET SEAL	DESIGN STANDARD
	NAS 1214 SHEET 2

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT, AND SHALL BECOME EFFECTIVE FOR VENDOR MANUFACTURERS NOT LATER THAN 6 MONTHS AFTER THE LATEST DATE OF APPROVAL SHOWN.

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