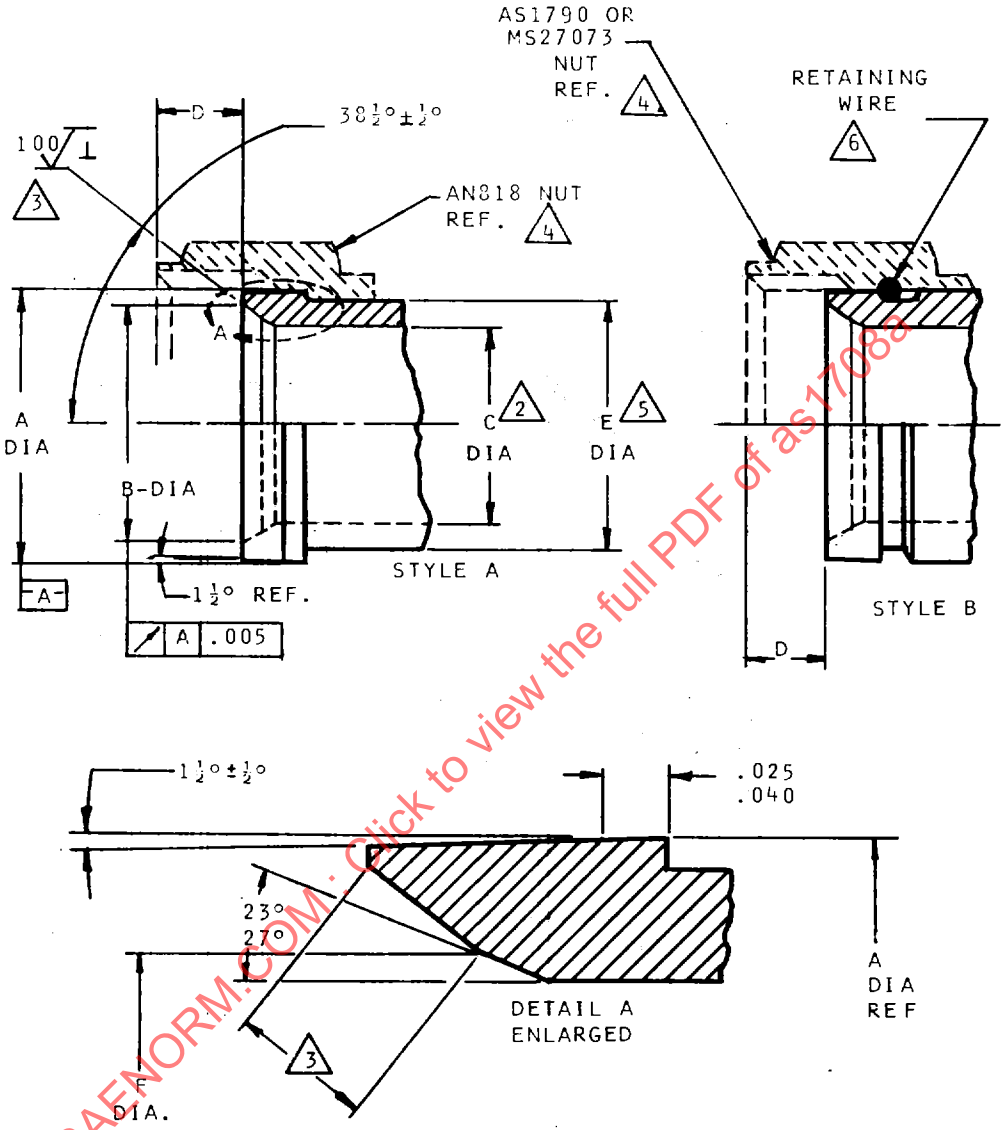
FEDERAL SUPPLY CLASS
4730



ISSUED 1-15-82 REVISED (A) 11-1-85

CUSTODIAN: SAE G-3/G-3B

SAE The Engineering Society For Advancing Mobility Land Sea Air and Space
400 Commonwealth Drive
Warrendale, PA 15096

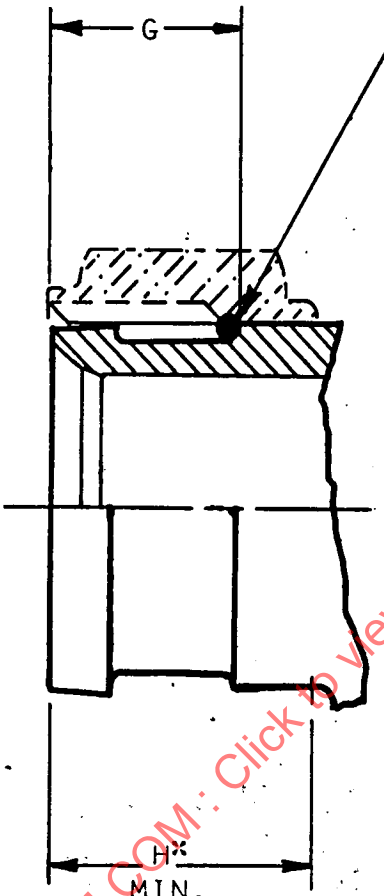
AEROSPACE STANDARD

FITTING END, FLARED, FEMALE, STANDARD DIMENSIONS FOR

AS1708

Printed in U.S.A.

REAFFIRMED 5/92



STYLE C

WIRE PER AS1791 FOR SIZE THRU -20
WIRE PER MS27074 FOR SIZE 24.
6

SIZE	G +.020 -.000	H MIN
04	.540	.680
05	.595	.727
06	.618	.758
08	.712	.888
10	.814	1.043
12	.847	1.055
16	.942	1.165
20	1.026	1.258
24	1.172	1.446
32	1.542	1.783

* H IS MINIMUM LENGTH OF STRAIGHT TURN DIAMETER TO TANGENT OF RADIUS TO PROVIDE NUT CLEARANCE.

ISSUED 1-15-82
REVISED (A) 11-1-85

DESIGN STANDARD NUMBER	A DIA	B DIA ±.015	⚠2 C DIA MAX	D		E DIA MAX	F +.015 -.000	
AS1708()03	.326-.321	.245	.128	.337		.235	.180	
AS1708()04	.379-.374	.295	.175	.375		.297	.227	
AS1708()05	.442-.437	.355	.237	.375	±.010	.367	.289	
AS1708()06	.504-.499	.435	.301	.375		.433	.352	
AS1708()08	.684-.679	.570	.395	.438		.563	.467	
AS1708()10	.800-.795	.680	.488	.515		.691	.580	
AS1708()12	.975-.970	.850	.614	.562		.827	.709	
AS1708()16	1.224-1.218	1.103	.851	.620		1.082	.958	
AS1708()20	1.536-1.530	1.410	1.085	.620	±.030	1.340	1.200	
AS1708()24	1.786-1.781	1.625	1.319	.765		1.610	1.436	
AS1708()32	2.410-2.405	2.240	1.791	.937		2.160	1.947	

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL MACHINED SURFACES SHALL BE SMOOTH TO 125 MICROINCHES Ra MAX. PER ANSI B46.1.

⚠2. MINIMUM I.D. MAY DIFFER AND SHOULD BE ESTABLISHED TO MEET DESIGN CRITERIA.

⚠3. THE SEALING SURFACE SHALL BE FREE OF AXIAL FLAWS VISIBLE TO THE NAKED EYE. CIRCUMFERENTIAL OR HELICAL FLAWS SHALL NOT EXCEED .001 IN DEPTH. F-DIA INTERSECTION SHALL BE ROUND WITHIN .003.

⚠4. FOR STYLE "A" USE AN818 NUTS, FOR STYLE "B" USE MS27073 OR AS1790 NUTS. NON-STANDARD COUPLING NUTS MAY BE USED IF THE FOLLOWING IS VERIFIED:

A) STANDARD HEX SIZES ARE USED.
B) FITTING ASSEMBLY MEETS THE REQUIREMENTS OF MIL-F-5509.
C) DIMENSION "D" FOR BOTH STYLES.
D) THREAD LENGTH IS EQUAL OR LONGER THAN NUTS NOTED IN ⚠4.

⚠5. THIS DIAMETER IS ONLY FOR TUBE ATTACHED SLEEVES.

⚠6. THE RETAINING WIRE SHALL BE PER AS1791 OR MS27074 AND SHALL BE INSTALLED IN SUCH A MANNER THAT BOTH ENDS ARE IN THE GROOVE.

THIS IS A DESIGN STANDARD, NOT TO BE USED AS A PART NUMBER. EXAMPLE OF DESIGN STANDARD CALL OUT:

AS1708 ( ) 04 ____ NOMINAL TUBE SIZE SIZE IN 1/16" INCREMENTS
ENTER STYLE A, B OR C
DESIGN STANDARD DOCUMENT

ISSUED 1-15-82 REVISED (A) 11-1-85