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REV.
C

AS1099

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS1099C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

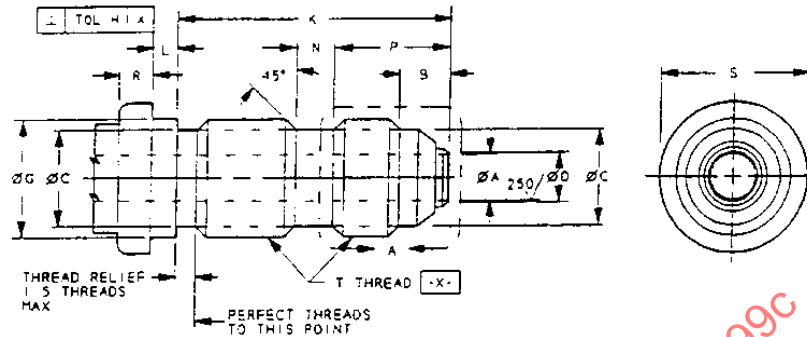


FIGURE 1 - FITTING END, STYLE S, BULKHEAD FLARED TUBE, FOR SEAL RING

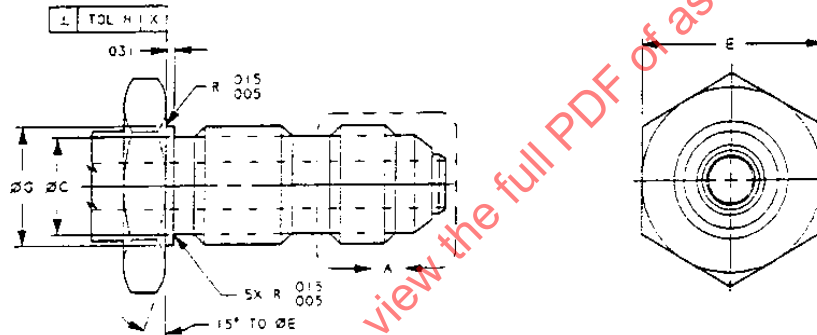


FIGURE 2 - FITTING END, STYLE E, BULKHEAD FLARED TUBE, FOR SEAL RING

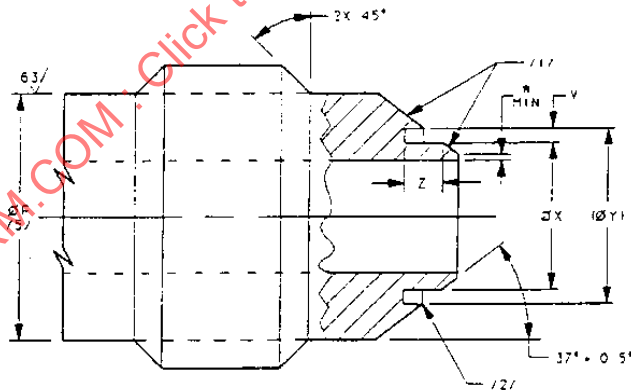
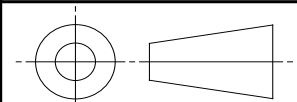


FIGURE 3 - ENLARGED VIEW A FROM FIGURES 1 AND 2

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B



AEROSPACE STANDARD

FITTING END, BULKHEAD FLARED TUBE,
FOR SEAL RING, STANDARD DIMENSIONS FOR,
DESIGN STANDARD

AS1099
SHEET 1 OF 3

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ISSUED 1976-01 REVISED 1995-11 REAFFIRMED 2014-10

TABLE 1 - DIMENSIONS

BASIC NUMBER		(NOMINAL TUBE SIZE)	T THREAD		B		C		D		E		F
AS1099	/13/ SIZE CODE		PER MIL-S-8879	A	+ .000 - .045	+ .000 - .005	+ .000 ± .003	+ .000 ± .003	+ .000 ± .003	+ .002 - .003			
04		.250	.4375-20UNJF-3A	.168- .175	.208	.359	.193	.684- .691	.364				
06		.375	.5625-18UNJF-3A	.293- .301	.213	.476	.318	.809- .816	.481				
08		.500	.7500-16UNJF-3A	.387- .395	.268	.654	.426	.996-1.003	.660				
10		.625	.8750-14UNJF-3A	.480- .488	.281	.767	.539	1.121-1.128	.773				
12		.750	1.0625-12UNJ-3A	.604- .614	.330	.938	.664	1.371-1.378	.945				
16		1.000	1.3125-12UNJ-3A	.839- .851	.330	1.188	.913	1.609-1.641	1.195				
20		1.250	1.6250-12UNJ-3A	1.073-1.086	.382	1.501	1.147	1.859-1.891	1.507				
24		1.500	1.8750-12UNJ-3A	1.307-1.320	.393	1.750	1.381	2.105-2.145	1.756				
28		1.750	2.2500-12UNJ-3A	1.542-1.557	.466	2.125	1.646	2.480-2.520	2.131				
32		2.000	2.5000-12UNJ-3A	1.776-1.791	.476	2.375	1.880	2.730-2.770	2.381				

TABLE 2 - DIMENSIONS

BASIC NUMBER				K		N		P			
AS1099				+ .000		+ .010		+ .000			
/13/											
SIZE CODE		G	H	- .045	L	- .000	- .045	R	S		
04		.429-.438	.005	1.026	.094	.140	.448	.125	.562		
06		.554-.562	.005	1.104	.094	.156	.481	.141	.688		
08		.741-.750	.005	1.260	.125	.187	.570	.156	.875		
10		.865-.875	.005	1.401	.125	.219	.628	.172	1.000		
12		1.051-1.062	.008	1.572	.125	.234	.737	.188	1.188		
16		1.301-1.312	.008	1.572	.125	.234	.737	.188	1.438		
20		1.614-1.625	.008	1.619	.125	.234	.789	.188	1.750		
24		1.864-1.875	.008	1.635	.125	.234	.800	.188	2.000		
28		2.239-2.250	.008	1.791	.125	.234	.873	.188	2.375		
32		2.489-2.500	.008	1.916	.125	.234	.883	.188	2.625		



AEROSPACE STANDARD

FITTING END, BULKHEAD FLARED TUBE,
FOR SEAL RING, STANDARD DIMENSIONS FOR,
DESIGN STANDARD

AS1099
SHEET 2 OF 3

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