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AS4321

RATIONALE

FEDERAL SUPPLY CLASS
4730

AS4321 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

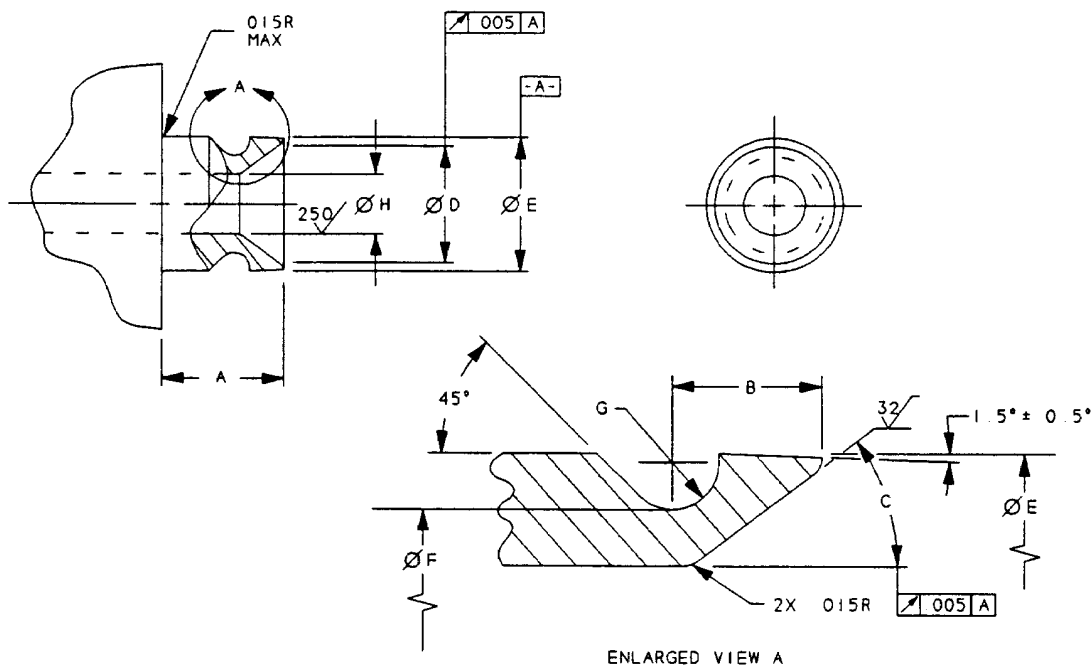


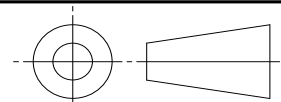
FIGURE 1 - FITTING END, INTERNAL FLARE, SINGLE ANGLE

TABLE 1 - DIMENSIONS

BASIC NUMBER AS4321 /7/ SIZE CODE	TUBE OD	A		C ±0.5°	D	E		F	G	H
		±.016	B			+.000 -.005	+.000 -.005		+.005 -.003	
04	.250	.370	.140	39.5°	.295	.383	.278	.044	.168-.175	
06	.375	.465	.156	39.5°	.435	.502	.397	.044	.293-.301	
08	.500	.465	.188	39.5°	.572	.682	.565	.050	.387-.395	
10	.625	.454	.188	39.5°	.680	.797	.681	.050	.480-.488	
12	.750	.512	.219	39.5°	.850	.972	.824	.066	.604-.614	
16	1.000	.579	.250	37.0°	1.075	1.224	1.072	.066	.839-.851	
20	1.250	.672	.344	37.0°	1.410	1.536	1.382	.066	1.073-1.086	
24	1.500	.721	.381	37.0°	1.625	1.786	1.636	.066	1.307-1.320	
28	1.750	.829	.394	37.0°	2.034	2.178	2.027	.066	1.541-1.556	
32	2.000	.829	.406	37.0°	2.284	2.411	2.262	.066	1.776-1.791	

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4321>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B



AEROSPACE STANDARD

FITTING END, INTERNAL FLARE, SINGLE
ANGLE, STANDARD DIMENSIONS FOR,
DESIGN STANDARD

AS4321
SHEET 1 OF 2

Documents

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NOTES:

1. THIS FITTING END IS INTENDED FOR USE WITH AS4323 RETAINED WIRE NUTS OR EQUIVALENT.
2. INTERPRETATION OF DRAWING PER ARP4296.
3. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36: REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 μ in Ra.
4. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
5. DIMENSIONING AND TOLERANCING: ANSI Y14.5M
6. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm$.005, ANGULAR DIMENSIONS $\pm$ 5°.

/7/ EXAMPLE OF DRAWING CALLOUT:

- a. TABULATED PART DRAWINGS: FITTING END PER AS4321
- b. INDIVIDUAL PART DRAWING: AS4321 08

BASIC NUMBER _____ | _____ NOMINAL TUBE SIZE IN .062 in
INCREMENTS (08 = .500)



AEROSPACE STANDARD

FITTING END, INTERNAL FLARE, SINGLE
ANGLE, STANDARD DIMENSIONS FOR,
DESIGN STANDARD

AS4321

SHEET 2 OF 2



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