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REV.
A

AS4703

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS4703A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

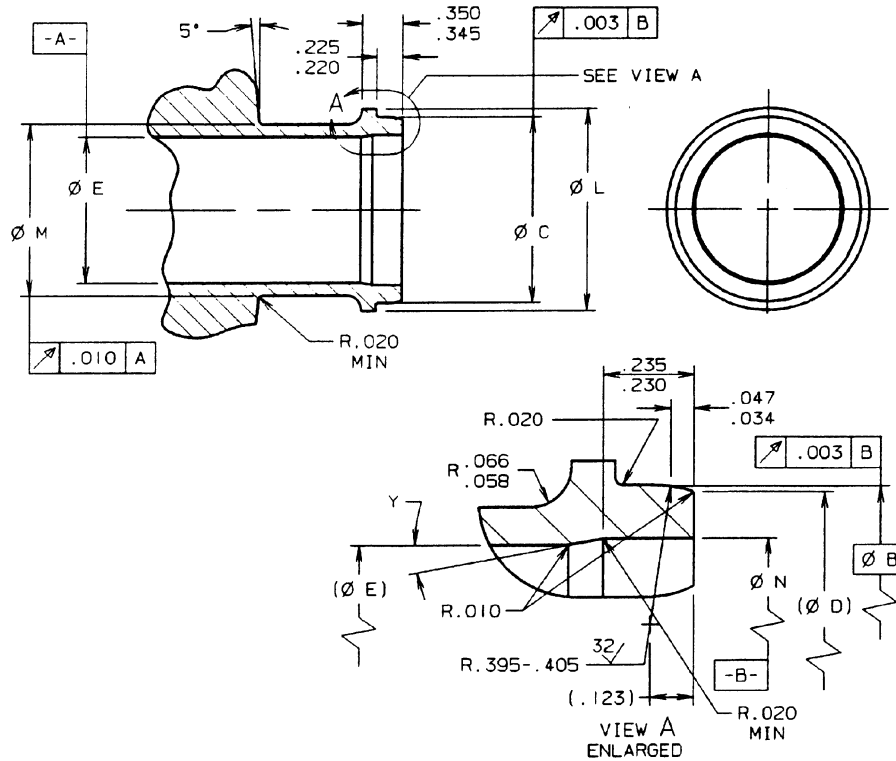


FIGURE 1 - FITTING END, STYLE A RETAINED WIRE NUT DESIGN

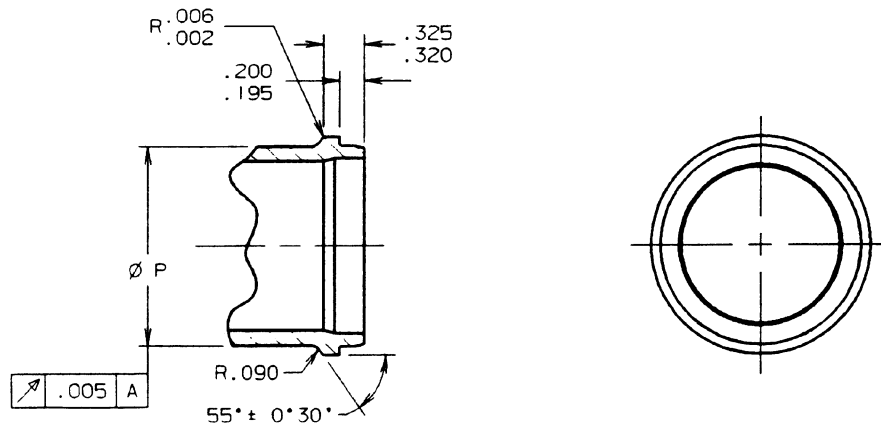
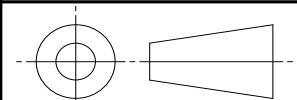


FIGURE 2 - FITTING END, STYLE B
SAME AS STYLE A, EXCEPT AS SHOWN
SLIP ON NUT DESIGN

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4703A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

FITTING END, ACORN, SHORT FLARELESS,
DESIGN STANDARD

AS4703
SHEET 1 OF 2

REV.
A

Documents

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TABLE 1 - DIMENSIONS

BASIC NO. AS4703 /8/ SIZE CODE	(NOMINAL TUBE SIZE)	B GAGE	C $\pm .002$	D	E $+ .000 / - .005$	L $\pm .002$	M $+ .000 / - .005$	N $+ .000 / - .005$	P $+ .001 / - .002$	Y
20	1.250	1.3160	1.334	1.293	1.093	1.471	1.319	1.154	1.319	19
24	1.500	1.5650	1.582	1.541	1.336	1.721	1.569	1.382	1.569	15

NOTES:

1. THIS FITTING END IS DESIGNED FOR USE IN SYSTEMS WITH OPERATING PRESSURES AS FOLLOWS:

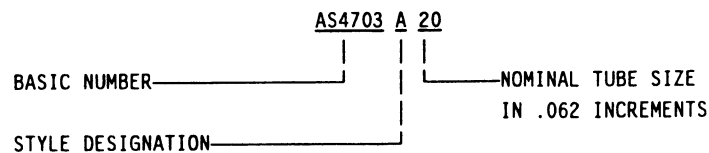
- a. SIZES -20 AND -24 TITANIUM ALLOY AND CORROSION RESISTANT STEEL AT 3000 psi
- b. SIZES -20 AND -24 ALUMINUM ALLOY AT 600 psi

THIS DESIGN STANDARD IS FOR USE WITH SHORT FLARELESS FITTINGS PER AS4658 THROUGH AS4702. THIS FITTING END MATES WITH AS4658 FITTING END DESIGN. FITTING ENDS PER STYLE A ARE INTENDED FOR USE WITH AS4702 RETAINED WIRE NUTS OR EQUIVALENT. FITTING ENDS PER STYLE B ARE INTENDED FOR USE WITH AS4660 SLIP ON NUTS OR EQUIVALENT.

2. INVENTORIED PARTS WITH FITTING ENDS CONFORMING TO THE PREVIOUS "LETTER CHANGE" OF THIS STANDARD MAY BE USED TO DEPLETION.
3. INTERPRETATION OF DRAWING PER ARP4296.
4. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36; REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 μ in.
5. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
6. DIMENSIONING AND TOLERANCING: ANSI Y14.5M.
7. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.

/8/ EXAMPLE OF DRAWING CALLOUT:

- a. TABULATED PART DRAWING: FITTING END PER AS4658 STYLE G
- b. INDIVIDUAL PART DRAWING:



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