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AS4320

RATIONALE

AS4320 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

FEDERAL SUPPLY CLASS
4730

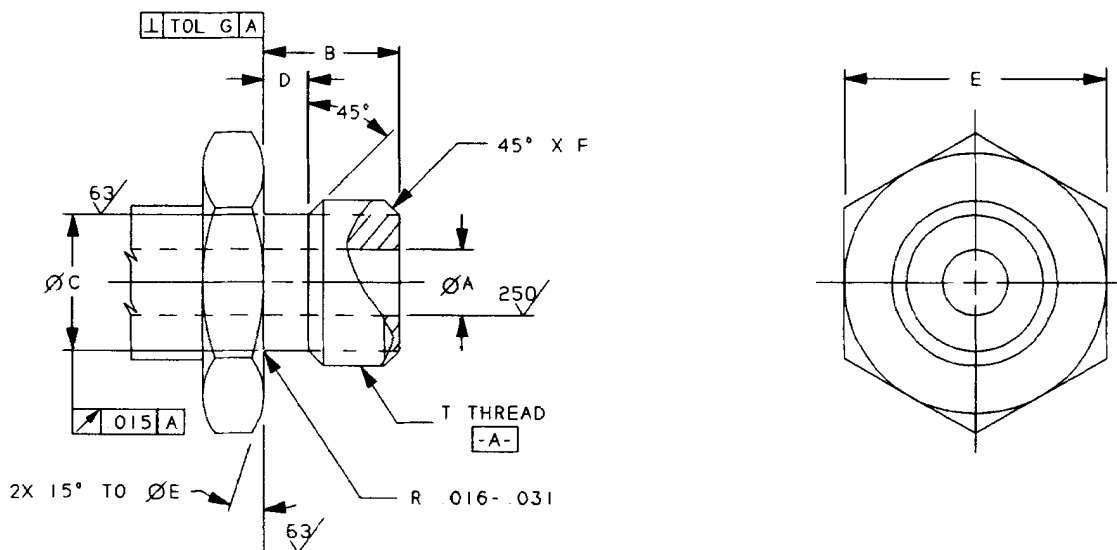


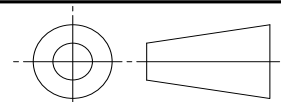
FIGURE 1 - FITTING END, STRAIGHT THREAD

TABLE 1 - DIMENSIONS

BASIC NUMBER AS4320								
/6/ SIZE CODE	TUBE OD	T THREAD PER MIL-S-8879	A		B +.000 -.015	C +.002 -.003	D +.015 -.000	E
02	.125	.3125-24UNJF-3A	.058-	.066	.351	.250	.063	.559-.566
03	.188	.3750-24UNJF-3A	.121-	.129	.355	.312	.063	.621-.628
04	.250	.4375-20UNJF-3A	.168-	.176	.389	.364	.075	.684-.691
05	.312	.5000-20UNJF-3A	.230-	.238	.411	.426	.075	.746-.753
06	.375	.5625-18UNJF-3A	.293-	.301	.420	.481	.083	.809-.816
08	.500	.7500-16UNJF-3A	.387-	.395	.521	.660	.094	.996-1.003
10	.625	.8750-14UNJF-3A	.480-	.488	.567	.773	.107	1.121-1.128
12	.750	1.0625-12UNJ-3A	.604-	.614	.636	.945	.125	1.371-1.378
16	1.000	1.3125-12UNJ-3A	.839-	.849	.672	1.195	.125	1.609-1.641
20	1.250	1.6250-12UNJ-3A	1.073-	1.086	.672	1.507	.125	1.855-1.895
24	1.500	1.8750-12UNJ-3A	1.307-	1.320	.720	1.756	.125	2.105-2.145
28	1.750	2.2500-12UNJ-3A	1.542-	1.557	.772	2.131	.125	2.480-2.520
32	2.000	2.5000-12UNJ-3A	1.776-	1.791	.887	2.381	.125	2.730-2.770

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4320>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B



AEROSPACE STANDARD

FITTING END, STRAIGHT THREAD,
STANDARD DIMENSIONS FOR,
DESIGN STANDARD

AS4320
SHEET 1 OF 2

Documents

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TABLE 2 - DIMENSIONS

BASIC NUMBER AS4320		
/6/ SIZE CODE	F	G
02	.031-.052	.005
03	.031-.052	.005
04	.038-.063	.005
05	.038-.063	.005
06	.042-.069	.005
08	.047-.078	.005
10	.054-.089	.005
12	.063-.104	.008
16	.063-.104	.008
20	.063-.104	.008
24	.063-.104	.008
28	.063-.104	.008
32	.063-.104	.008

NOTES:

1. INTERPRETATION OF DRAWING PER ARP4296.
2. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36: REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 μ in Ra.
3. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
4. DIMENSIONING AND TOLERANCING: ANSI Y14.5M
5. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm$.016, ANGULAR DIMENSIONS $\pm$ 5°.

/6/ EXAMPLE OF DRAWING CALLOUT:

- a. TABULATED PART DRAWINGS: FITTING END PER AS4320
- b. INDIVIDUAL PART DRAWING: AS4320 08

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



AEROSPACE STANDARD

FITTING END, STRAIGHT THREAD,
STANDARD DIMENSIONS FOR,
DESIGN STANDARD

AS4320

SHEET 2 OF 2



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