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REV.
B

AS4458

RATIONALE

AS4458B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

FEDERAL SUPPLY CLASS
4730

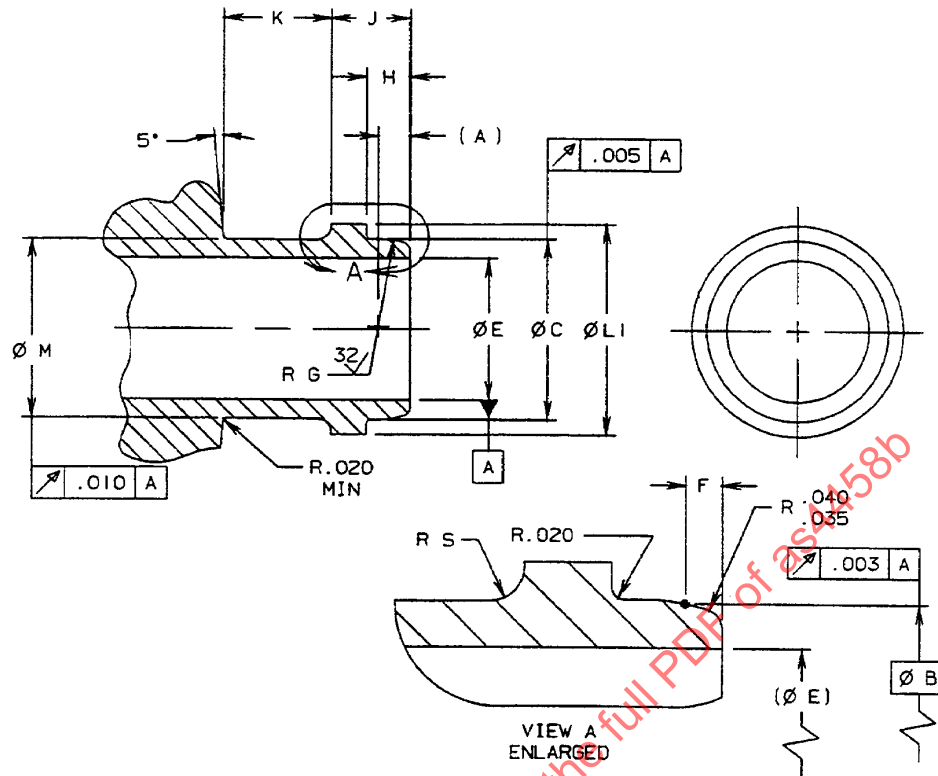


FIGURE 1 - FITTING END, STYLE A

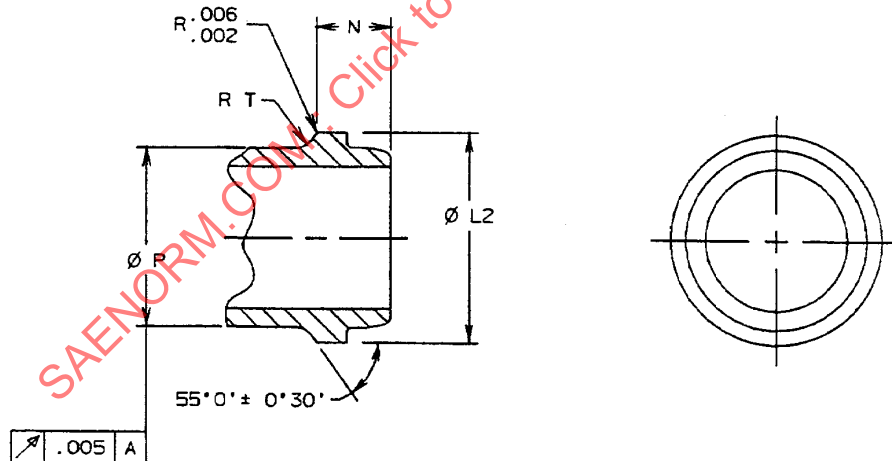
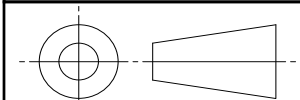


FIGURE 2 - FITTING END, STYLE B
SAME AS STYLE A, EXCEPT AS SHOWN

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<http://www.sae.org/technical/standards/AS4458B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /1/



AEROSPACE STANDARD

FITTING END, FLARELESS, BLUNT NOSE,
DESIGN STANDARD

AS4458
SHEET 1 OF 3

REV.
B

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ISSUED 1990-10 REVISED 1996-08 REAFFIRMED 2015-04

(R) TABLE 1A - DIMENSIONS A THROUGH H

BASIC NO. AS4458 /9/ SIZE CODE	(NOMINAL TUBE SIZE)	A	B	C $\pm .002$	E $+ .000/- .005$	F $+ .007/- .006$	G $\pm .005$	H $+ .005/- .000$
03	.187	.1025	.2340	.243	.117	.054	.260	.156
04	.250	.1025	.2930	.302	.179	.054	.260	.141
05	.312	.1025	.3500	.359	.234	.054	.260	.155
06	.375	.1025	.4120	.421	.296	.054	.260	.148
08	.500	.1425	.5600	.575	.414	.065	.400	.189
10	.625	.1425	.6730	.688	.500	.065	.400	.222
12	.750	.1425	.8100	.825	.651	.065	.400	.195
14	.875	.1425	.9350	.950	.765	.065	.400	.205
16	1.000	.1425	1.0620	1.077	.903	.065	.400	.191
20	1.250	.1425	1.3160	1.331	1.093	.065	.400	.188
24	1.500	.1425	1.5650	1.580	1.336	.065	.400	.193

TABLE 1B - DIMENSIONS J THROUGH T

BASIC NO. AS4458 /9/ SIZE CODE	J $+ .005/- .000$	K	L1 $\pm .002$	L2 $\pm .002$	M $+ .000/- .005$	N $+ .005/- .000$	P $+ .001/- .002$	S $\pm .004$	T
03	.234	.310	.327	.318	.243	.230	.227	.036	.050
04	.191	.317	.382	.371	.298	.281	.295	.036	.050
05	.253	.310	.445	.434	.346	.318	.361	.040	.050
06	.255	.224	.502	.490	.403	.306	.420	.040	.050
08	.302	.378	.682	.670	.564	.306	.547	.047	.060
10	.376	.407	.798	.786	.679	.356	.683	.047	.060
12	.353	.462	.970	.960	.821	.331	.818	.062	.090
14	.440	.350	1.095	1.080	.951	.325	.932	.062	.090
16	.445	.466	1.217	1.210	1.068	.327	1.066	.062	.090
20	.517	.477	1.529	1.470	1.382	.300	1.319	.062	.090
24	.668	.469	1.779	1.719	1.635	.305	1.569	.062	.090

NOTES:

- THIS FITTING END IS DESIGNED FOR USE IN SYSTEMS WITH OPERATING PRESSURES AS FOLLOWS:
 - SIZES -03 THROUGH -16 TITANIUM ALLOY, CARBON STEEL AND CORROSION RESISTANT STEEL AT 4000 psi
 - SIZES -20 AND -24 TITANIUM ALLOY, CARBON STEEL AND RESISTANT STEEL AND SIZES -03 THROUGH -24 ALUMINUM ALLOY AT 1500 psi

THIS DESIGN STANDARD IS FOR USE WITH FLARELESS FITTINGS PER MIL-F-18280 OR AS4444 AND MATES WITH MS33514 AND EQUIVALENT FITTING ENDS. STYLE A FITTING ENDS ARE DESIGNED FOR USE WITH AS1790 NUTS OR EQUIVALENT AND STYLE B FITTING ENDS ARE DESIGNED FOR USE WITH AS1792 NUTS OR EQUIVALENT.
- SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36; REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 min Ra.
- THE (R) IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. IF THE SYMBOL IS NEXT TO THE REPORT TITLE, IT INDICATES A COMPLETE REVISION OF THE DOCUMENT.
- INVENTORIED PARTS WITH FITTING ENDS CONFORMING TO THE PREVIOUS "LETTER CHANGE" OF THIS STANDARD MAY BE USED TO DEPLETION.
- INTERPRETATION OF DRAWING PER ARP4296.
- BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994
- (R) DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.



AEROSPACE STANDARD

FITTING END, FLARELESS, BLUNT END,
DESIGN STANDARDAS4458
SHEET 2 OF 3REV.
B