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REV.
F

AS930™

FEDERAL SUPPLY CLASS
4730

RATIONALE

GRAPHICS REDRAWN FOR CLARITY, CORRECT TYPO IN TABLE 1, SHOWING CORRECT THREAD CONFIGURATION FOR SIZES 09 AND 18.

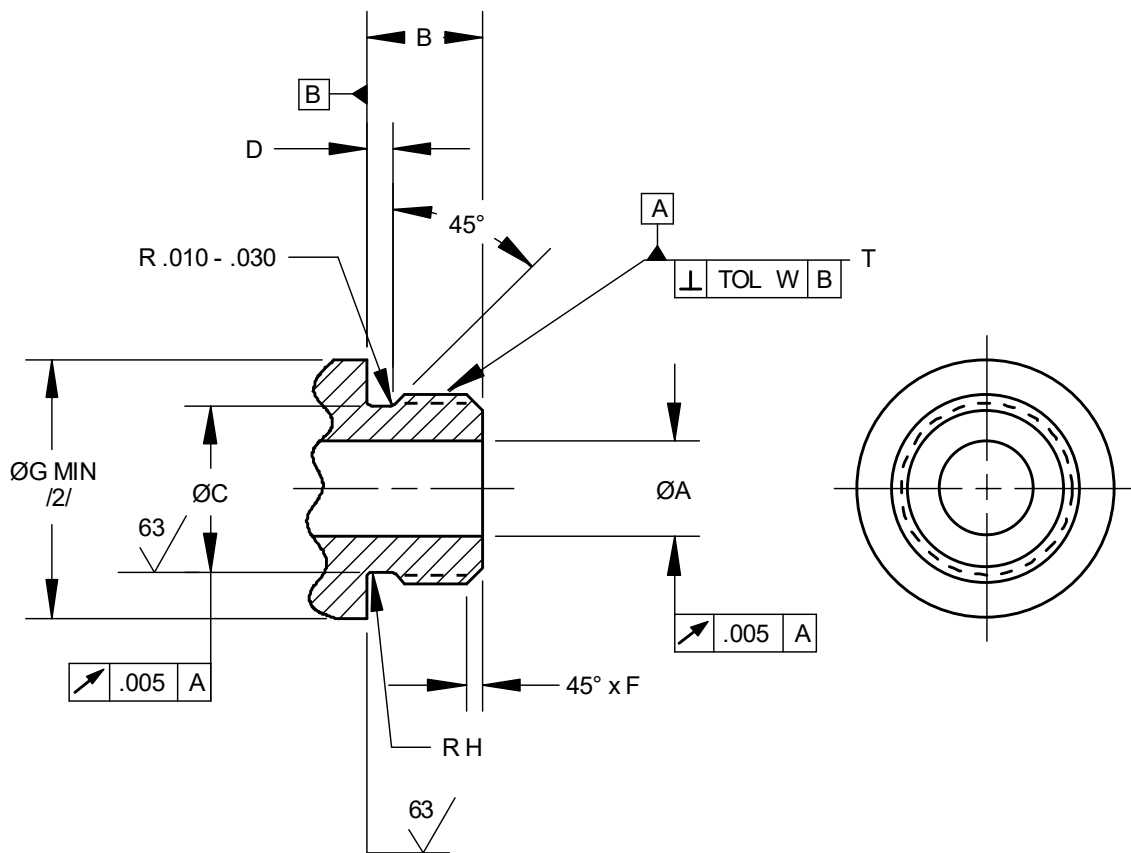
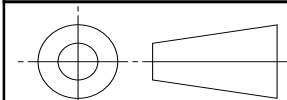


FIGURE 1 - FITTING END

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS930F>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B /3/

PROCUREMENT SPECIFICATION: NONE /1/



AEROSPACE STANDARD

FITTING END, STRAIGHT THREAD,
PORT CONNECTION, DESIGN STANDARD

AS930™
SHEET 1 OF 2

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TABLE 1 - DIMENSIONS

BASIC NO. AS930 /11/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879	A	B	C +.002 -.003	D	F	H	W	G /2/
02	.125	.3125-24 UNJF-3A	.058-.065	.360	.250	.063-.078	.031-.052	.015-.030	.003	.562
03	.188	.3750-24UNJF-3A	.121-.128	.360	.312	.063-.078	.031-.052	.015-.030	.003	.625
04	.250	.4375-20 UNJF-3A	.168-.175	.400	.364	.075-.090	.038-.063	.015-.030	.003	.688
05	.312	.5000-20 UNJF-3A	.230-.237	.400	.426	.075-.090	.038-.063	.015-.030	.003	.750
06	.375	.5625-18 UNJF-3A	.293-.301	.400	.481	.083-.098	.042-.069	.020-.035	.003	.812
07	.438	.6250-18 UNJF-3A	.355-.363	.440	.544	.083-.098	.042-.069	.020-.035	.003	.875
08	.500	.7500-16 UNJF-3A	.387-.395	.440	.660	.094-.109	.047-.078	.020-.035	.003	1.000
09	.562	.8125-16 UNJ-3A	.434-.442	.440	.722	.107-.122	.047-.078	.020-.035	.003	1.062
10	.625	.8750-14 UNJF-3A	.480-.488	.440	.773	.107-.122	.054-.089	.025-.040	.003	1.125
11	.688	1.0000-12 UNJF-3A	.542-.552	.480	.882	.125-.140	.063-.104	.025-.040	.005	1.312
12	.750	1.0625-12 UNJ-3A	.604-.614	.480	.945	.125-.140	.063-.104	.025-.040	.005	1.375
14	.875	1.1875-12 UNJ-3A	.729-.739	.480	1.070	.125-.140	.063-.104	.025-.040	.005	1.500
16	1.000	1.3125-12 UNJ-3A	.839-.851	.480	1.195	.125-.140	.063-.104	.030-.050	.005	1.625
18	1.125	1.5000-12 UNJF-3A	.948-.960	.480	1.382	.125-.140	.063-.104	.030-.050	.005	1.750
20	1.250	1.6250-12 UNJ-3A	1.073-1.086	.480	1.507	.125-.140	.063-.104	.030-.050	.005	1.938
24	1.500	1.8750-12 UNJ-3A	1.307-1.320	.480	1.756	.125-.140	.063-.104	.030-.050	.005	2.188
28	1.750	2.2500-12 UNJ-3A	1.542-1.557	.480	2.131	.125-.140	.063-.104	.030-.050	.005	2.562
32	2.000	2.5000-12 UNJ-3A	1.776-1.791	.480	2.381	.125-.140	.063-.104	.030-.050	.005	2.812

NOTES:

- /1/ THIS FITTING END IS DESIGNED FOR USE WITH PORTS SUCH AS MS33649 OR AS5202 AT OPERATING PRESSURES AS DEFINED IN PROCUREMENT SPECIFICATION AS4875 UNLESS OTHERWISE STATED ON THE PART STANDARD. FITTING ENDS FOR USE AT HIGHER PRESSURES FOR SIZE 12 AND LARGER ARE SHOWN ON AS1941.
- /2/ ϕG DEFINES THE MAXIMUM SURFACE FOR WHICH THE SURFACE FINISH 63 AND THE PERPENDICULARITY NOTE TO DATUM B APPLY. THE SURFACE MAY EXTEND BEYOND ϕG IF IT DOES NOT INTERFERE WITH THE MATING PORT SURFACE.
- /3/ REVISIONS OF THIS STANDARD SHALL BE COORDINATED WITH SAE COMMITTEE E-25.
4. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN 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. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.
5. INVENTORIED PARTS WITH FITTING ENDS CONFORMING TO THE PREVIOUS "LETTER CHANGE" OF THIS STANDARD MAY BE USED TO DEPLETION.
6. INTERPRETATION OF DRAWING PER AS4296.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 MICROINCHES Ra.
8. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
10. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .015$, ANGULAR DIMENSIONS $\pm 5^\circ$.
- /11/ EXAMPLE OF DRAWING CALLOUT:
- a. TABULATED PART DRAWING: FITTING END PER AS930.
- b. INDIVIDUAL PART DRAWING: AS930 - 08

BASIC PART NUMBER _____ SIZE CODE, NOMINAL TUBE SIZES
IN .062 INCREMENTS



AEROSPACE STANDARD

FITTING END, STRAIGHT THREAD,
PORT CONNECTION, DESIGN STANDARD

AS930™

SHEET 2 OF 2

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