

REV.
B

AS85720™/1

FEDERAL SUPPLY CLASS
4730

RATIONALE

CORRECT THREAD PROFILE CALLOUT FOR SIZES 12 AND 16. CORRECT FIGURE TO SHOW DIMENSION "C" LEADER LINE.

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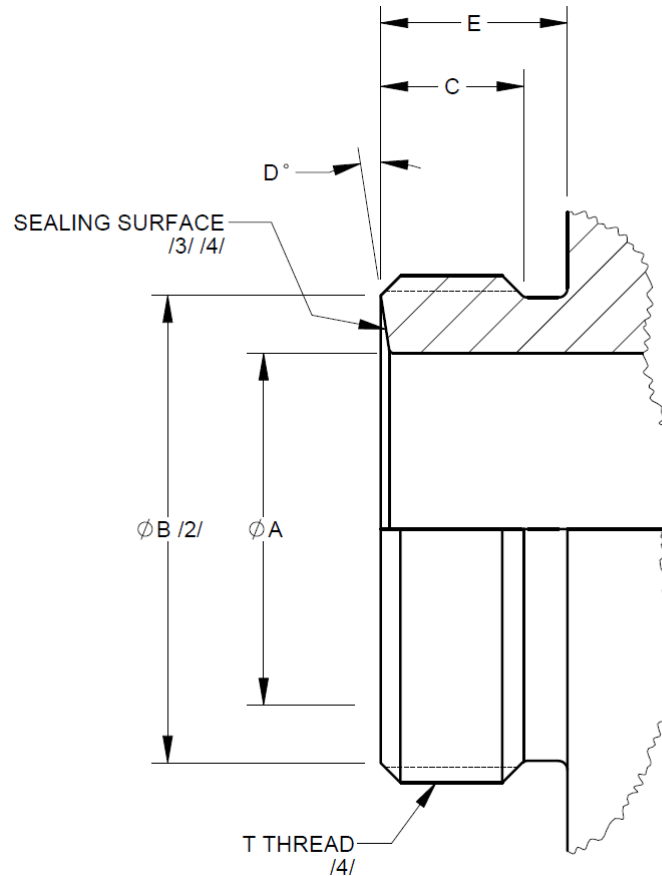
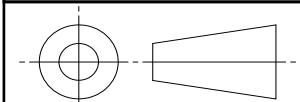


FIGURE 1 - FITTING END DESIGN

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85720/1B/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B



AEROSPACE STANDARD

FITTINGS, TUBE, FLUID SYSTEMS,
SEPARABLE, HIGH PRESSURE, DYNAMIC BEAM SEAL,
DESIGN STANDARD FOR MALE END

AS85720™/1
SHEET 1 OF 2

REV.
B

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TABLE 1 – DIMENSIONS A-E

BASIC NO. AS85720/1 SIZE CODE	(NOMINAL TUBE SIZE)	A		B /2/		C +.030 -.000	D° +0° 30' -0° 00'	T THREAD AS8879	E +.030 -.000
03	.188	.154-	.164	.323-	.329	.164	3°	.3750-28 UNJS-3A	.218
04	.250	.184-	.194	.377-	.383	.197	8° 30'	.4375-24 UNJS-3A	.260
05	.313	.232-	.242	.440-	.446	.197	8° 30'	.5000-24 UNJS-3A	.260
06	.375	.297-	.307	.490-	.497	.205	8° 30'	.5625-20 UNJS-3A	.280
07	.438	.360-	.370	.583-	.591	.218	8° 30'	.6562-20 UNJS-3A	.293
08	.500	.398-	.408	.646-	.654	.218	8° 30'	.7188-20 UNJS-3A	.293
09	.563	.450-	.460	.700-	.709	.274	8° 30'	.7812-18 UNJS-3A	.357
10	.625	.512-	.523	.763-	.772	.274	8° 30'	.8438-18 UNJS-3A	.357
11	.688	.591-	.602	.848-	.857	.303	8° 30'	.9375-16 UNJS-3A	.397
12	.750	.649-	.660	.910-	.919	.303	8° 30'	1.0000-16 UNJ-3A	.397
14	.875	.769-	.780	1.034-	1.044	.318	8° 30'	1.1250-16 UNJ-3A	.415
16	1.000	.862-	.874	1.148-	1.158	.338	8° 30'	1.2500-14 UNJS-3A	.445
20	1.250	1.115-	1.128	1.476-	1.486	.335	8° 30'	1.5781-14 UNJS-3A	.442

NOTES:

- THIS IS A DESIGN STANDARD AND SHALL NOT BE USED AS A PART NUMBER. DO NOT USE FOR PROCUREMENT OF PARTS.
- /2/ APPLIES TO OUTER RIM OF SEALING SURFACE.
- /3/ SEALING SURFACE SHALL BE 45 MICROINCHES Ra MAX.
- /4/ IF NO FINISH IS SPECIFIED ON PRODUCT STANDARD, SEALING SURFACE AND THREADS SHALL BE COATED WITH SOLID FILM LUBRICANT PER AS5272, TYPE 1.
- 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.

	AEROSPACE STANDARD	AS85720™/1 SHEET 2 OF 2	REV. B
	FITTINGS, TUBE, FLUID SYSTEMS, SEPARABLE, HIGH PRESSURE, DYNAMIC BEAM SEAL, DESIGN STANDARD FOR MALE END		



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