



AEROSPACE STANDARD

AS 1376

Society of Automotive Engineers, Inc.
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Revised

WRENCH PADS FOR FLUID FITTINGS MACHINED FROM ALTERNATE SHAPES OF MATERIAL

(THIS IS A DESIGN STANDARD, NOT TO BE USED AS A PART NUMBER)

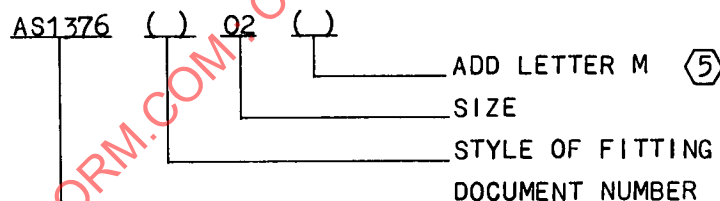
SCOPE: THIS AEROSPACE STANDARD PROVIDES ALTERNATE DIMENSIONS AND SHAPES FOR FLUID FITTING BODIES MACHINED FROM BAR STOCK, OVERSIZE FORGINGS OR OTHER APPROVED ALTERNATE MATERIALS.

REFERENCES: FITTINGS PER MIL-F-18280 OR MIL-F-5509.

REQUIREMENTS:

1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACE FINISH SHALL NOT EXCEED 125 MICROINCHES RHR PER ANSI B46.1.
2. BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
3. SLIGHT FLATS ON C DIA OF TRANSITION ZONE SHALL NOT BE CAUSE FOR REJECTION.
4. A AND C DIMENSION SHALL NOT EXTEND INTO THREADED AREA. RADIUS BETWEEN A OR C DIMENSION AND THREAD SHALL BE .010 MIN.
5. ADD LETTER M TO AEROSPACE STANDARD NUMBER TO INDICATE THAT 45° MILLING OPERATIONS ARE REQUIRED. IF M-CODE IS NOT SPECIFIED, THE 45° MILLING OPERATIONS ARE OPTIONAL.

EXAMPLE OF DRAWING CALLOUT:



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SIZE	TUBE O.D.	A ±.015	B ±.015	C ±.015	D +.031 -.000	E ±.015	THREAD O.D. REF.
-02	1/8	.312	.085	.312	.047	.171	.3125
-03	3/16	.375	.108	.375		.202	.3750
-04	1/4	.438	.127	.438		.233	.4375
-05	5/16	.500	.146	.500		.265	.5000
-06	3/8	.563	.164	.563		.296	.5625
-08	1/2	.750	.219	.750	.078	.390	.7500
-10	5/8	.875	.255	.875		.452	.8750
-12	3/4	1.063	.310	1.063		.546	1.0625
-16	1	1.313	.383	1.313	.109	.671	1.3125
-20	1-1/4	1.625	.475	1.625		.827	1.6250
-24	1-1/2	1.875	.548	1.875		.953	1.8750
-32	2	2.563	.749	2.563		1.265	2.5000

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