



AEROSPACE STANDARD

Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

AS 1097

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Revised

SEAL RING, 37 DEGREE FLARED TUBE FITTING END

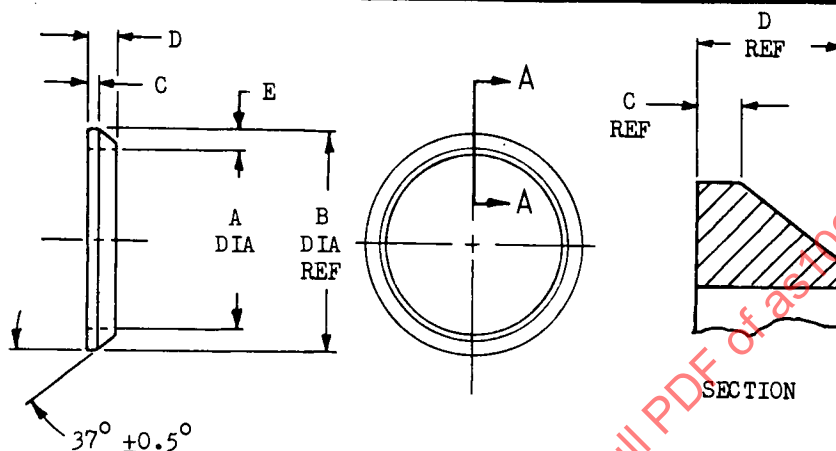


TABLE I
(INCHES)

PART NO.	TUBE SIZE OD	A ±.001	B (REF)	C ±.0015	D ±.001	E ±.001
AS 1097- 4	1/4	.210	.250	.0364	.052	.020
↑ - 6	3/8	.326	.392	.0345	.067	.033
↑ - 8	1/2	.440	.506	↑	↑	↑
↑ -10	5/8	.545	.611	↑	↑	↑
↑ -12	3/4	.670	.736	↓	↓	↓
↑ -16	1	.953	1.019	.0345	.067	.033
↑ -20	1-1/4	1.180	1.260	.0256	.070	.040
AS 1097-24	1-1/2	1.430	1.510	.0256	.070	.040

I DESIGN INFORMATION

A CHARACTERISTICS

1. Material: Tetrafluoroethylene Resin (Teflon - TFE) per MIL-R-8791
2. Finish: Per MIL-R-8791

B APPLICATION NOTES

1. Use in AS1098 and AS1099 seal ring groove.
2. Material is inert except in molten alkali metals, fluorine under pressure, and chlorine trifluoride.
3. Should not be used under long exposure to radiation.
4. Used in systems with temperatures ranging from -320°F to +500°F
(-196°C to +260°C)

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