SAE Aerospace
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AEROSPACE STANDARD

SAE AS5258/3 REV. A

Issued 1998-10
Reaffirmed 2004-07
Cancelled 2011-02

Insulating Components, Molded, Electrical, Heat Shrinkable, Boot, Strain Relief and Sealing, Straight, Low Profile

RATIONALE

Revised to coincide with the supersession data defined in the AS85049/140 detail specification.

CANCELLATION NOTICE

This document has been declared “CANCELLED” as of February 2011 and has been superseded by AS85049/140. By this action, this document will remain listed in the Numerical Section of the Aerospace Standards Index noting that it is superseded by AS85049/140.

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1. SCOPE:

The complete requirements for acquiring the molded components described herein shall consist of this document and the latest issue of AS5258.

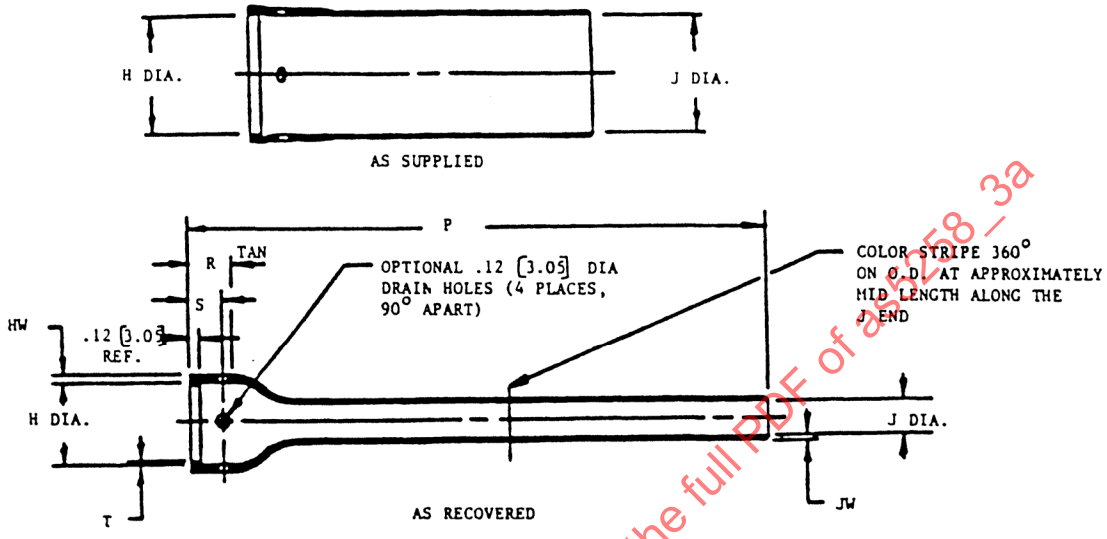

FIGURE 1

TABLE 1 - Dimensions

Dash No. A,B,C, D,G,H Only	H Diameter As Supplied - Minimum	H Diameter As Recovered - Maximum	J Diameter As Supplied - Minimum Material A, B, H	J Diameter As Supplied - Minimum Material C, D, F, G	J Diameter As Recovered - Maximum	As Recovered P ±10%	As Recovered R Ref.	As Recovered T Ref.	As Recovered HW ±20%	As Recovered JW ±20%	As Recovered S ±10%
01	.88 (22.4)	.47 (12)	.88 (22.4)	.55 (14.0)	.25 (6.4)	4.17 (105.9)	.46 (11.7)	.04 (1.0)	.06 (1.50)	.04 (1.10)	.47 (11.9)
02	1.01 (25.7)	.59 (15.0)	1.01 (25.7)	.63 (16.0)	.30 (7.5)	4.77 (121.2)	.48 (12.2)	.04 (1.0)	.06 (1.50)	.04 (1.10)	.47 (11.9)
03	1.16 (29.5)	.75 (19)	1.16 (29.5)	.72 (18.3)	.33 (8.5)	5.46 (138.7)	.48 (12.2)	.04 (1.0)	.07 (1.8)	.04 (1.10)	.47 (11.9)
04	1.34 (34.0)	.91 (23)	1.34 (34.0)	.84 (21.3)	.39 (10)	6.28 (159.5)	.48 (12.2)	.06 (1.6)	.07 (1.8)	.04 (1.10)	.47 (11.9)
05	1.47 (37.3)	1.18 (30)	1.47 (37.3)	.91 (23.1)	.43 (11)	7.00 (177.8)	.55 (14.0)	.06 (1.6)	.08 (2.00)	.04 (1.10)	.47 (11.9)
06	1.72 (43.7)	1.34 (34.0)	1.72 (43.7)	1.07 (27.2)	.48 (12.2)	8.00 (203.2)	.60 (15.2)	.06 (1.6)	.08 (2.00)	.04 (1.10)	.47 (11.9)
07	1.97 (50.0)	1.62 (41.1)	1.97 (50.0)	1.24 (31.5)	.57 (14.5)	8.00 (203.2)	.60 (15.2)	.06 (1.6)	.09 (2.30)	.055 (1.40)	.47 (11.9)
08	2.47 (62.7)	1.85 (47.0)	2.47 (62.7)	1.54 (39.1)	.71 (18)	8.00 (203.2)	.63 (16.0)	.08 (2.0)	.10 (2.50)	.055 (1.40)	.63 (16.0)
09	2.73 (69.3)	2.36 (60)	2.73 (69.3)	1.70 (43.2)	.79 (20)	8.00 (203.2)	.63 (16.0)	.08 (2.0)	.10 (2.50)	.055 (1.40)	.63 (16.0)
10	3.22 (81.8)	2.64 (67.1)	3.22 (81.8)	2.01 (51.1)	.91 (23)	8.00 (203.2)	.63 (16.0)	.08 (2.0)	.10 (2.50)	.055 (1.40)	.63 (16.0)

NOTES:
1. All dimensions are in inches (mm)
2. H and J diameters are reduced by .06 when coating is added.

TABLE 2 - Available Materials

Material Designator	Material 1/	Operating Temperature Range	Continuous Color Stripe 2/	Shrink Temperature 3/
A	Semirigid polyolefin	-55 to +135 °C (-67 to +275 °F)	White	121 °C (250 °F)
B	Flexible polyolefin	-55 to +135 °C (-67 to +275 °F)	Red	100 °C (212 °F)
C	Silicone	-75 to +135 °C (-103 to +275 °F)	---	175 °C (347 °F)
D	Fluoroelastomer	-55 to +200 °C (-67 to +392 °F)	Yellow	175 °C (347 °F)
F	Fluoropolymer, composite	-55 to +150 °C (-67 to +275 °F)	---	175 °C (347 °F)
G	Polyolefin, halogen free	-40 to +105 °C (-40 to +221 °F)	---	135 °C (275 °F)
H	Elastomeric, semi-rigid	-75 to +150 °C (-103 to +302 °F)	---	175 °C (347 °F)

1/ Optional adhesive applied on inside surface shall be described by its specification or drawing number.
2/ Color stripe shall be nominally 1/8 in wide and located as shown in Figure 1. Colors shall remain distinguishable over the specified temperature range.
3/ Components shrink upon application of heat in excess of values listed in Table 2.