

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This document has been declared "CANCELLED" as of February 2011 and has been superseded by AS85049/140.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action, this document will remain listed in the Numerical Section of the Aerospace Standards Index noting that it is superseded by AS85049/140.

SAENORM.COM : Click to view the full PDF of as5258-3a

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2011 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
SAE WEB ADDRESS: <http://www.sae.org>

**SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS5258/3A>**

1. SCOPE:

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

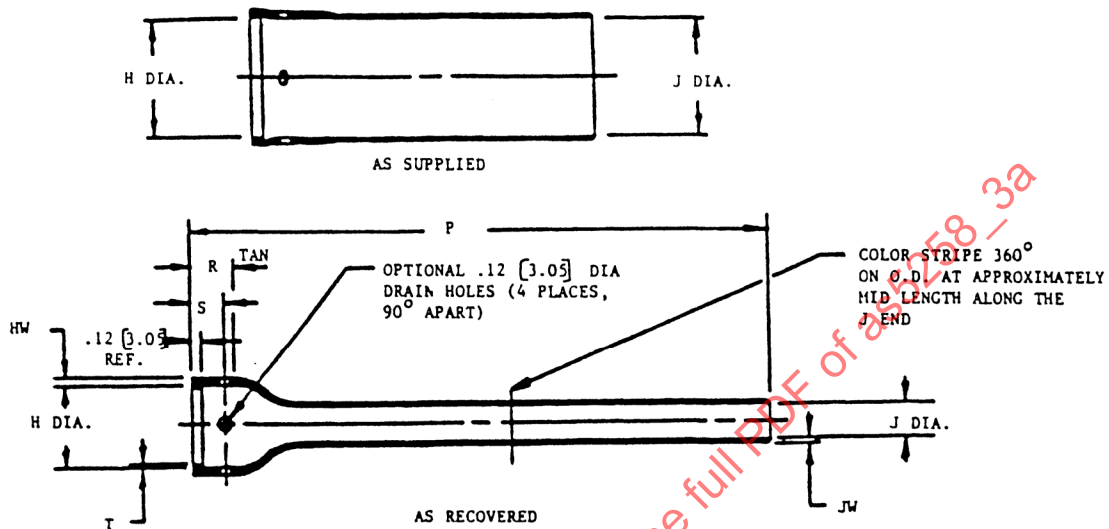


FIGURE 1

Dash No. A,B,C, D,G,H Only	H		J		J		J		J		J		J		J		J		J		J	
	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - Minimum	Diameter As Supplied - 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)	.46 (11.7)	.04 (1.0)	.06 (1.50)	.04 (1.0)	.04 (1.0)	.04 (1.0)	.47 (11.9)										
02	1.01 (25.7)	.59 (15.0)	1.01 (25.7)	.63 (16.0)	.30 (7.5)	.48 (12.2)	.04 (1.0)	.06 (1.50)	.04 (1.0)	.04 (1.0)	.47 (11.9)											
03	1.16 (29.5)	.75 (19)	1.16 (29.5)	.72 (18.3)	.33 (8.5)	.48 (12.2)	.04 (1.0)	.07 (1.8)	.04 (1.0)	.04 (1.0)	.47 (11.9)											
04	1.34 (34.0)	.91 (23)	1.34 (34.0)	.84 (21.3)	.39 (10)	.48 (12.2)	.06 (1.6)	.07 (1.8)	.06 (1.6)	.06 (1.6)	.47 (11.9)											
05	1.47 (37.3)	1.18 (30)	1.47 (37.3)	.91 (23.1)	.43 (11)	.55 (14.0)	.06 (1.6)	.08 (2.00)	.06 (1.6)	.06 (1.6)	.47 (11.9)											
06	1.72 (43.7)	1.34 (34.0)	1.72 (43.7)	1.07 (27.2)	.48 (12.2)	.60 (15.2)	.06 (1.6)	.08 (2.00)	.06 (1.6)	.06 (1.6)	.47 (11.9)											
07	1.97 (50.0)	1.62 (41.1)	1.97 (50.0)	1.24 (31.5)	.57 (14.5)	.60 (15.2)	.06 (1.6)	.09 (2.30)	.06 (1.6)	.06 (1.6)	.47 (11.9)											
08	2.47 (62.7)	1.85 (47.0)	2.47 (62.7)	1.54 (39.1)	.71 (18)	.63 (16.0)	.08 (2.0)	.10 (2.50)	.08 (2.0)	.08 (2.0)	.63 (16.0)											
09	2.73 (69.3)	2.36 (60)	2.73 (69.3)	1.70 (43.2)	.79 (20)	.63 (16.0)	.08 (2.0)	.10 (2.50)	.08 (2.0)	.08 (2.0)	.63 (16.0)											
10	3.22 (81.8)	2.64 (67.1)	3.22 (81.8)	2.01 (51.1)	.91 (23)	.63 (16.0)	.08 (2.0)	.10 (2.50)	.08 (2.0)	.08 (2.0)	.63 (16.0)											

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 <u>1/</u>	Operating Temperature Range	Continuous Color Stripe <u>2/</u>	Shrink Temperature <u>3/</u>
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.