

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

Insulating Components, Molded, Electrical,  
Heat Shrinkable, Strain Relief and Sealing, Y

**RATIONALE**

Revised to coincide with the supersession data defined in the AS85049/142 detail specification.

**CANCELLATION NOTICE**

This document has been declared "CANCELLED" as of February 2011 and has been superseded by AS85049/142. By this action, this document will remain listed in the Numerical Section of the Aerospace Standards Index noting that it is superseded by AS85049/142.

SAENORM.COM : Click to view the full PDF of as5258-8a

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/AS5258/8A>**

## 1. SCOPE:

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

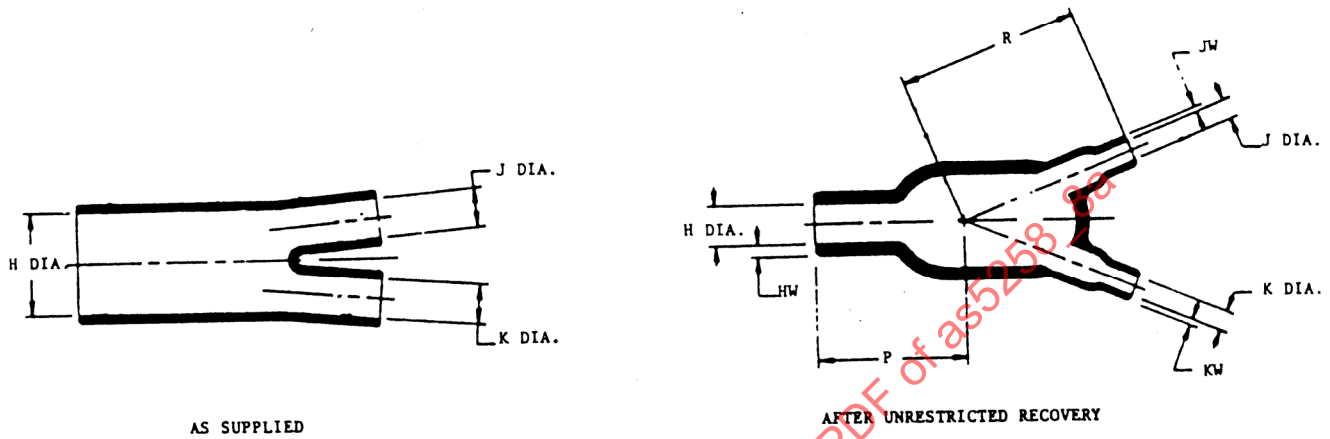


FIGURE 1

TABLE 1 - Dimensions

| Dash No. | H Diameter<br>As Supplied -<br>Minimum | H Diameter<br>As Recovered -<br>Maximum | J and K<br>Diameters<br>As Supplied -<br>Minimum | J and K<br>Diameters<br>As Recovered -<br>Maximum | As<br>Recovered<br>P<br>Ref. | As<br>Recovered<br>R<br>Ref. | As<br>Recovered<br>HW<br>±20% | As<br>Recovered<br>JW & KW<br>±20% |
|----------|----------------------------------------|-----------------------------------------|--------------------------------------------------|---------------------------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------------|
| 01       | .52<br>(13.2)                          | .24<br>(6.1)                            | .26<br>(6.6)                                     | .13<br>(3.3)                                      | 1.61<br>(41)                 | .76<br>(19.3)                | .06<br>(1.5)                  | .04<br>(1.0)                       |
| 02       | 1.06<br>(26.9)                         | .49<br>(12.4)                           | .51<br>(13)                                      | .24<br>(6.1)                                      | 3.15<br>(80)                 | 1.69<br>(43)                 | .10<br>(2.5)                  | .06<br>(1.5)                       |
| 03       | 1.52<br>(38.6)                         | .71<br>(18.0)                           | 1.06<br>(26.9)                                   | .49<br>(12.4)                                     | 5.16<br>(13)                 | 3.19<br>(81)                 | .12<br>(3.0)                  | .09<br>(2.5)                       |
| 04       | 2.19<br>(55.6)                         | 1.02<br>(26)                            | 1.06<br>(26.9)                                   | .52<br>(13)                                       | 6.8<br>(173)                 | 3.70<br>(94.0)               | .18<br>(4.5)                  | .10<br>(2.5)                       |

## NOTES:

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

SAENORM.COM : Click to view the full PDF of as5258-8a

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<br>(-67 to +275 °F)  | White                             | 121 °C (250 °F)              |
| B                   | Flexible polyolefin      | -55 to +135 °C<br>(-67 to +275 °F)  | Red                               | 100 °C (212 °F)              |
| C                   | Silicone                 | -75 to +135 °C<br>(-103 to +275 °F) | ---                               | 175 °C (347 °F)              |
| D                   | Fluoroelastomer          | -55 to +200 °C<br>(-67 to +392 °F)  | Yellow                            | 175 °C (347 °F)              |
| E                   | Fluoropolymer            | -55 to +150 °C<br>(-67 to +302 °F)  | ---                               | 175 °C (347 °F)              |
| G                   | Polyolefin, halogen free | -40 to +105 °C<br>(-40 to +221 °F)  | ---                               | 135 °C (275 °F)              |
| H                   | Elastomeric, semi-rigid  | -75 to +150 °C<br>(-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/ Components shrink upon application of heat in excess of values listed in Table 2.