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This document has been declared "CANCELLED" as of February 2011 and has been superseded by AS85049/142.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action, this document will remain listed in the Numerical Section of the Aerospace Standards Index noting that it is superseded by AS85049/142.

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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.

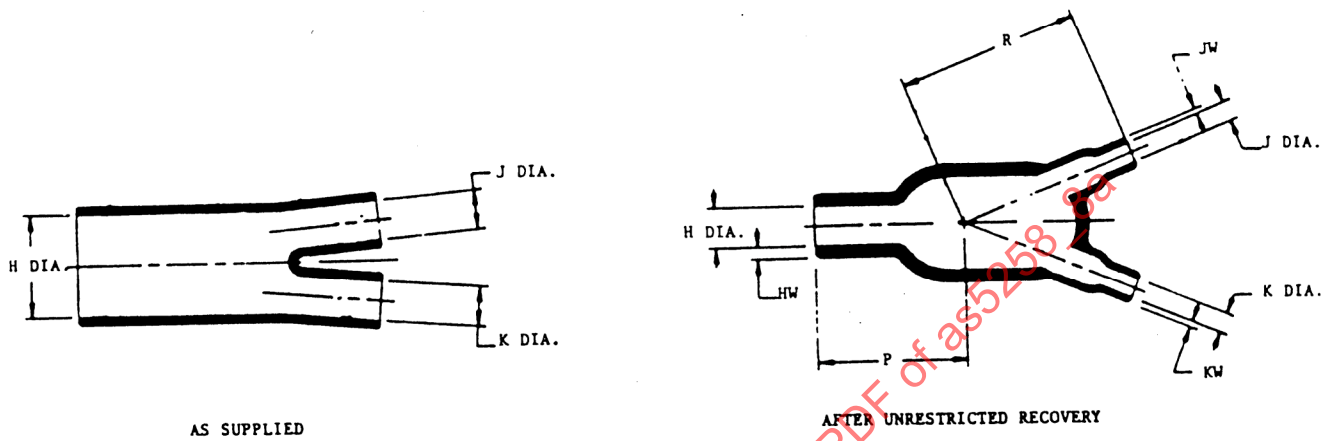


FIGURE 1

TABLE 1 - Dimensions

| Dash No. | 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.

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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.