

Insulating Components, Molded, Electrical, Heat Shrinkable, Boot,
Strain Relief and Sealing, Right Angle, Low Profile, Miniature

RATIONALE

Revised to coincide with the supersession data defined in the AS85049/141 detail specification.

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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.

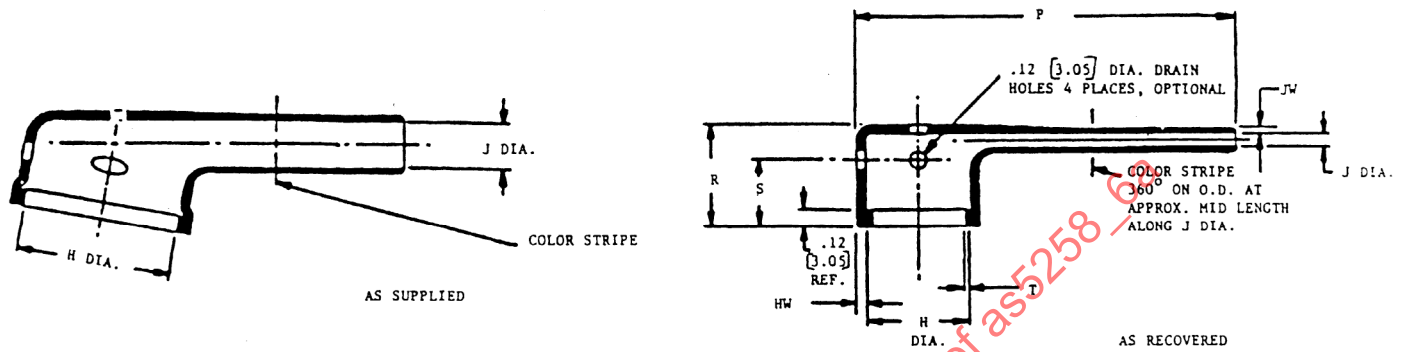


FIGURE 1

Part	J		J		J		J		J		J	
	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 - Minimum	Diameter - As Supplied - Minimum	Diameter - As Supplied - Minimum
1	.25 (6.4)	.18 (4.6)	.22 (5.6)	.26 (6.6)	.31 (7.9)	.38 (9.7)	.45 (11.4)	.52 (13.2)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)
2	.30 (7.6)	.22 (5.6)	.26 (6.6)	.31 (7.9)	.38 (9.7)	.45 (11.4)	.52 (13.2)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)
3	.38 (9.7)	.26 (6.6)	.31 (7.9)	.38 (9.7)	.45 (11.4)	.52 (13.2)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)
4	.45 (11.4)	.31 (7.9)	.38 (9.7)	.45 (11.4)	.52 (13.2)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)
5	.52 (13.2)	.38 (9.7)	.45 (11.4)	.52 (13.2)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)
6	.60 (15.2)	.45 (11.4)	.52 (13.2)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)
7	.68 (17.3)	.52 (13.2)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)
8	.76 (19.3)	.60 (15.2)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)
9	.84 (21.3)	.68 (17.3)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)
10	.92 (23.4)	.76 (19.3)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)
11	1.00 (25.4)	.84 (21.3)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)
12	1.08 (27.4)	.92 (23.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72 (43.4)
13	1.16 (29.4)	1.00 (25.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72 (43.4)	1.80 (45.4)
14	1.24 (31.4)	1.08 (27.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72 (43.4)	1.80 (45.4)	1.88 (47.4)
15	1.32 (33.4)	1.16 (29.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72 (43.4)	1.80 (45.4)	1.88 (47.4)	1.96 (49.4)
16	1.40 (35.4)	1.24 (31.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72 (43.4)	1.80 (45.4)	1.88 (47.4)	1.96 (49.4)	2.04 (51.4)
17	1.48 (37.4)	1.32 (33.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72 (43.4)	1.80 (45.4)	1.88 (47.4)	1.96 (49.4)	2.04 (51.4)	2.12 (53.4)
18	1.56 (39.4)	1.40 (35.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72 (43.4)	1.80 (45.4)	1.88 (47.4)	1.96 (49.4)	2.04 (51.4)	2.12 (53.4)	2.20 (55.4)
19	1.64 (41.4)	1.48 (37.4)	1.56 (39.4)	1.64 (41.4)	1.72							

Dash No.	H		H		J		J		J		J		J		J		J		J	
	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum	Diameter As Supplied - Minimum	Diameter As Recovered - Maximum
01	.76 (19.3)	.51 (13.0)	.25 (6.4)	.18 (4.6)	.08 (2.0)	1.77 (45)	.63 (16)	.04 (1.0)	.06 (1.5)	.04 (1.1)	.04 (1.1)	.07 (1.8)	.04 (1.0)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)
02	1.03 (26.2)	.75 (19.1)	.30 (7.6)	.22 (5.6)	.10 (2.5)	2.64 (67)	.71 (18.0)	.04 (1.0)	.07 (1.8)	.04 (1.1)	.04 (1.1)	.07 (1.8)	.04 (1.0)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)
03	1.35 (34.3)	1.02 (25.9)	.38 (9.7)	.26 (6.6)	.12 (3.0)	3.19 (81)	.75 (19)	.04 (1.0)	.07 (1.8)	.04 (1.1)	.04 (1.1)	.07 (1.8)	.04 (1.0)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)
04	1.72 (43.7)	1.34 (34.0)	.45 (11.4)	.31 (7.9)	.14 (3.6)	4.57 (116)	.83 (21)	.07 (1.7)	.07 (1.8)	.04 (1.1)	.04 (1.1)	.07 (1.8)	.07 (1.8)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)	.04 (1.1)	.07 (1.8)

NOTES:

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

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)
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.