FEDERAL SUPPLY CLASS
4030

RATIONALE

AS85049/142B CORRECTS THE PART NUMBER IN THE DESCRIPTION FOR TABLE 5 WITH THE INSERTION OF THE NUMBER 8.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

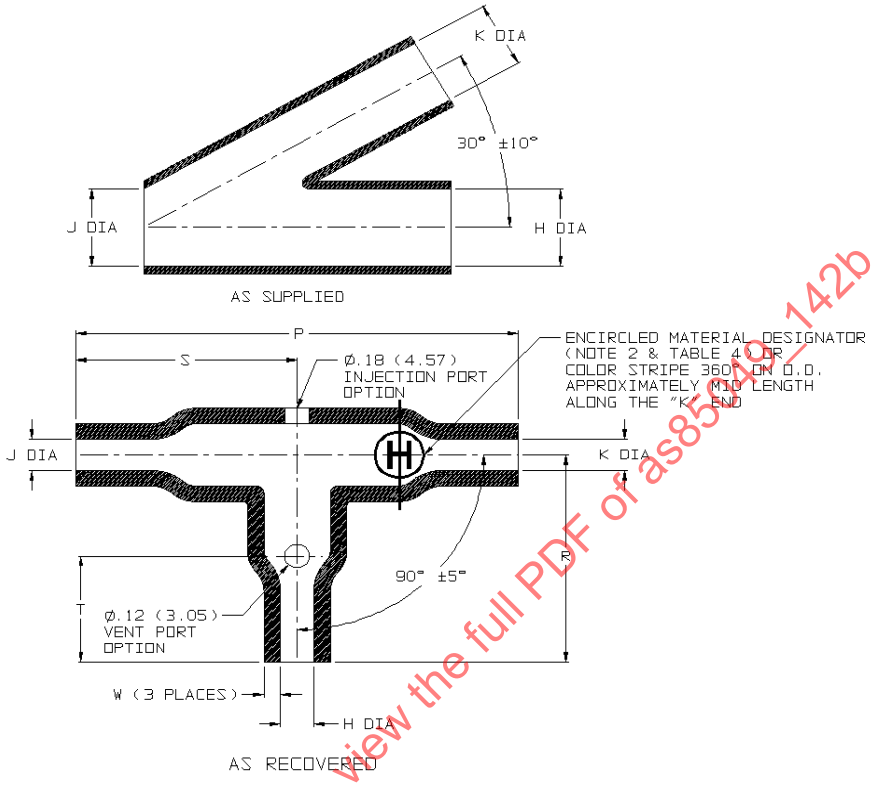


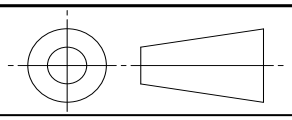
FIGURE 1- BOOT, T-TYPE (SEE TABLE 1)

TABLE 1 – BOOT, T- TYPE (SEE FIGURE 1)

DASH NUMBER	H, J, K DIAMETER AS SUPPLIED MINIMUM	H, J, K DIAMETER AS RECOVERED MAXIMUM	P DIMENSION AS RECOVERED ±10%	R DIMENSION AS RECOVERED ±10%	S DIMENSION AS RECOVERED ±10%	T DIMENSION AS RECOVERED ±10%	W DIMENSION AS RECOVERED ±20%
01	0.26 (6.6)	0.14 (3.6)	1.17 (29.7)	0.58 (14.7)	.59 (15.0)	N/A	0.04 (1.0)
02	0.52 (13.2)	0.27 (6.9)	2.31 (58.7)	1.16 (29.5)	1.16 (29.5)	.69 (17.5)	0.06 (1.5)
03	1.06 (26.9)	0.53 (13.5)	4.73 (120.1)	2.36 (59.9)	2.37 (60.2)	1.40 (35.6)	0.09 (2.29)
04	2.19 (55.6)	1.19 (30.2)	9.70 (246.4)	4.85 (123.2)	4.85 (123.2)	2.79 (70.9)	0.12 (3.0)

SAE values your input. To provide feedback on this Technical Report, please visit
http://www.sae.org/technical/standards/AS85049/142B

THIRD ANGLE PROJECTION



ISSUED 2006-11 REVISED 2012-03

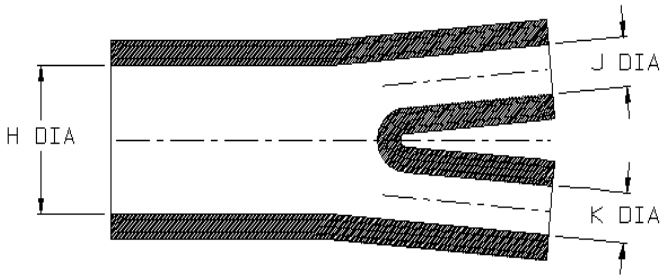
CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049

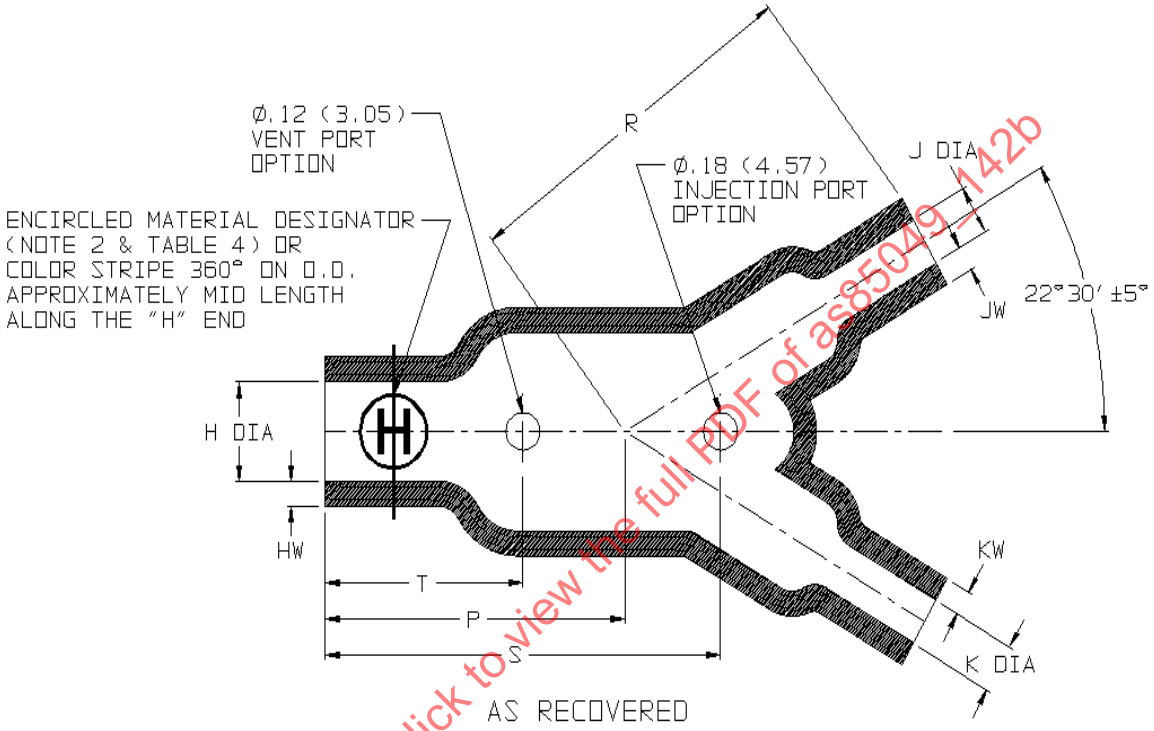
SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL BOOTS AND SLEEVES, TRANSITIONS, HEAT-SHRINKABLE, CATEGORY 7



AS SUPPLIED



AS RECOVERED

FIGURE 2 – BOOT, Y-TYPE (SEE TABLE 2)

TABLE 2 – BOOT, Y- TYPE (SEE FIGURE 2)

DASH NUMBER	H DIAMETER AS SUPPLIED MINIMUM	H DIAMETER AS RECOVERED MAXIMUM	J & K DIAMETER AS SUPPLIED MINIMUM	J & K DIAMETER AS RECOVERED MAXIMUM	P DIMENSION AS RECOVERED REF	R DIMENSION AS RECOVERED REF	S DIMENSION AS RECOVERED ±10%	T DIMENSION AS RECOVERED ±10%	HW DIMENSION AS RECOVERED ±20%	JW & KW DIMENSION AS RECOVERED ±20%
05	0.52 (13.2)	0.24 (6.1)	0.26 (6.6)	0.13 (3.3)	0.88 (22.4)	0.76 (19.3)	0.94 (23.9)	0.61 (15.5)	0.06 (1.5)	0.04 (1.0)
06	1.06 (26.9)	0.49 (12.4)	0.52 (13.2)	0.24 (6.1)	1.50 (38.1)	1.70 (43.2)	2.10 (53.3)	1.30 (33.0)	0.10 (2.5)	0.06 (1.5)
07	1.52 (38.6)	0.71 (18.0)	1.06 (26.9)	0.49 (12.4)	2.58 (65.5)	3.10 (78.7)	3.10 (78.7)	2.20 (55.9)	0.12 (3.0)	0.10 (2.5)
08	2.19 (55.6)	1.02 (25.9)	1.06 (26.9)	0.50 (12.7)	3.35 (85.1)	3.70 (94.0)	4.40 (111.8)	2.80 (71.1)	0.18 (4.6)	0.10 (2.5)

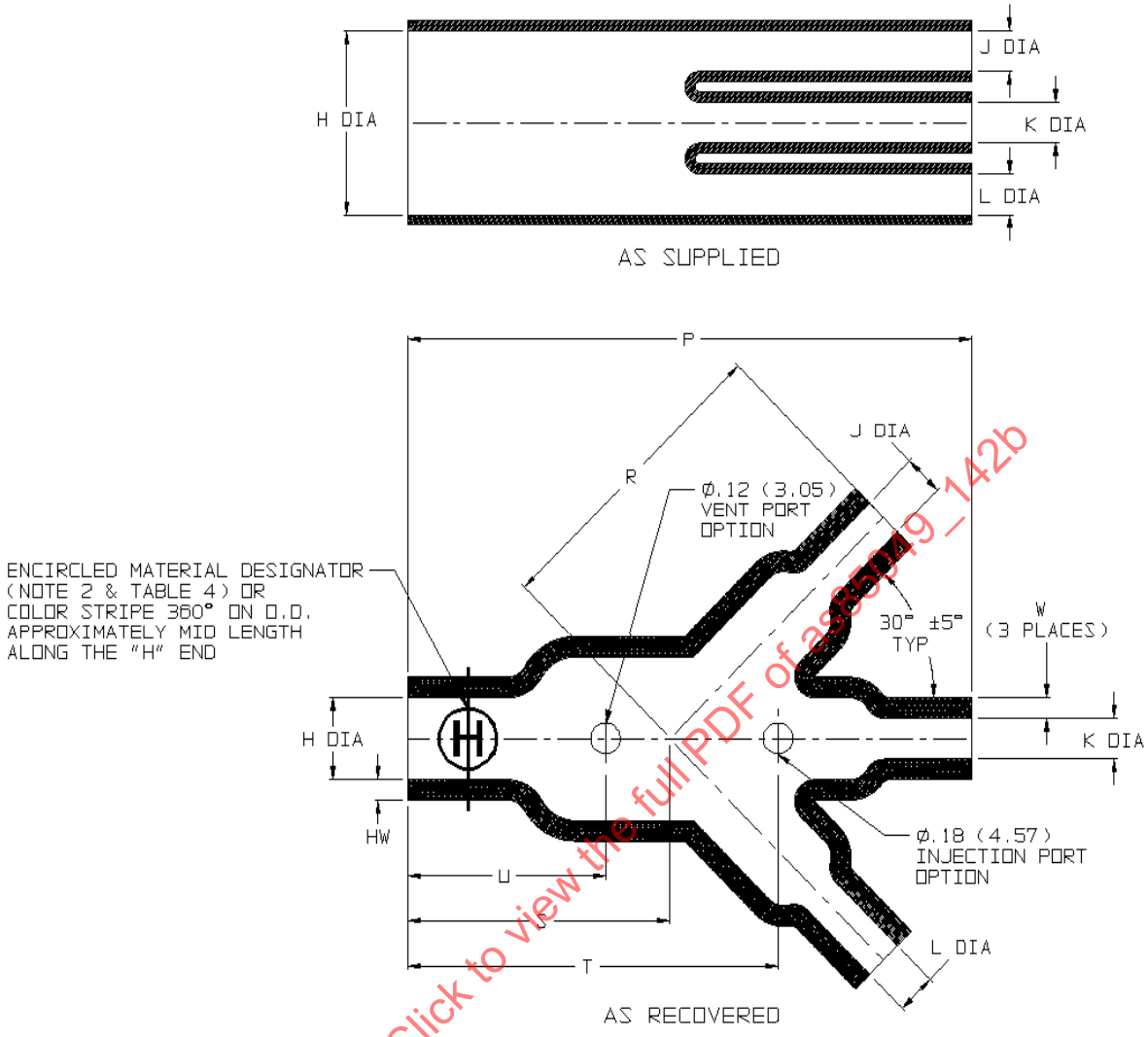


FIGURE 3 – BOOT, 1 TO 3 TYPE (SEE TABLE 3)

TABLE 3 – BOOT, 1 TO 3 TYPES (SEE FIGURE 3)

DASH NUMBER	H DIAMETER AS SUPPLIED MINIMUM	H DIAMETER AS RECOVERED MAXIMUM	J, K, L DIAMETER AS SUPPLIED MINIMUM	J, K, L DIAMETER AS RECOVERED MAXIMUM	P DIMENSION AS RECOVERED ±10%	R DIMENSION AS RECOVERED REF	S DIMENSION AS RECOVERED REF	U DIMENSION AS RECOVERED ±10%	T DIMENSION AS RECOVERED ±10%	HW DIMENSION AS RECOVERED ±20%	W DIMENSION AS RECOVERED ±20%
09	0.52 (13.2)	0.26 (6.6)	0.26 (6.6)	0.14 (3.6)	1.82 (46.2)	1.00 (25.4)	0.82 (20.8)	0.62 (15.7)	1.20 (30.5)	0.06 (1.5)	0.04 (1.0)
10	0.52 (13.2)	0.53 (13.5)	0.52 (13.2)	0.27 (6.9)	3.67 (93.2)	1.98 (50.3)	1.69 (42.9)	1.30 (33.0)	2.25 (57.2)	0.10 (2.5)	0.06 (1.5)
11	0.74 (18.8)	0.75 (19.1)	0.76 (19.3)	0.38 (9.7)	5.32 (135.1)	2.90 (73.7)	2.42 (61.5)	1.80 (45.7)	3.50 (88.9)	0.12 (3.0)	0.07 (1.8)
12	2.19 (55.6)	1.00 (25.4)	1.06 (26.9)	0.49 (12.4)	7.56 (192.0)	4.06 (103.1)	3.50 (88.9)	2.80 (71.1)	4.80 (121.9)	0.18 (4.6)	0.12 (3.0)
13	3.60 (91.4)	2.15 (54.6)	1.80 (45.7)	1.08 (27.4)	15.37 (390.4)	8.31 (211.1)	7.06 (179.3)	5.00 (127.0)	10.0 (254.0)	0.28 (7.1)	0.18 (4.6)

TABLE 4 - AVAILABLE MATERIALS

MATERIAL DESIGNATOR 2/	MATERIAL 4/	OPERATING TEMPERATURE RANGE	MATERIAL DESIGNATOR COLOR STRIPE 2/	SHRINK TEMPERATURE 3/
A 1/	POLYOLEFIN SEMI-RIGID	-55 TO +135 °C (-67 TO +275 °F)	WHITE	121 °C (250 °F)
B 1/	POLYOLEFIN FLEXIBLE	-55 TO +135 °C (-67 TO +275 °F)	RED	100 °C (212 °F)
C	SILICONE	-75 TO +180 °C (-103 TO +356°F)	ORANGE	135 °C (275 °F)
D	FLEXIBLE FLUORO-ELASTOMER	-55 TO +200 °C (-67 TO +392 °F)	YELLOW	175 °C (347 °F)
G 1/	POLYOLEFIN	-30 TO +105 °C (-22 TO +221 °F)	GREEN	120 °C (248 °F)
H 1/	ELASTOMERIC,	-75 TO +150 °C (-103 TO +275 °F)	BLUE	135 °C (275 °F)

1/ OPTIONAL ADHESIVE MATERIAL APPLIED ON INSIDE SURFACE SHALL BE CONTROLLED BY THE SUPPLIER TO MAINTAIN THE ADHESION AT OPERATING TEMPERATURE.

2/ MATERIAL DESIGNATOR SHALL BE A CONTINUOUS COLOR STRIPE RING, APPROXIMATELY 1/8 INCH WIDE, OR AN ENCIRCLED MATERIAL DESIGNATOR LOCATED AS SHOWN IN FIGURES 1 THRU 3. COLOR OR MATERIAL DESIGNATOR SHALL REMAIN DISTINGUISHABLE OVER THE SPECIFIED TEMPERATURE RANGE. THE SIZE OF THE MATERIAL DESIGNATOR SHALL BE RECOGNIZABLE AFTER RECOVERED, AND THE COLOR SHALL BE CONTRASTING TO THE COLOR OF THE BOOT AT THE MANUFACTURERS CHOICE.

3/ COMPONENTS SHRINK UPON APPLICATION OF HEAT IN EXCESS OF VALUES LISTED.

4/ MATERIAL SHALL BE CERTIFIED TO AS5258.

NOTES:

1. DIMENSIONS ARE IN INCHES
2. UNLESS OTHERWISE SPECIFIED TOLERANCES SHALL BE: .XX = ± .020 (0.51mm), .XXX = ± .010 (0.25mm)
3. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4mm = 1 INCH. METRIC EQUIVALENTS ARE SHOWN IN PARENTHESES.

REQUIREMENTS:

CONNECTOR ACCESSORY DESIGN AND CONSTRUCTION:

1. DIMENSIONS AND CONFIGURATIONS AS SPECIFIED IN FIGURES 1 THRU 3 AND TABLES 1 THRU 3. DIMENSIONS H AND J REDUCED BY 0.06 (1.5mm) INCHES WHEN ADHESIVE IS USED (SEE EXAMPLE PART NUMBER).
2. MATERIAL TYPE AND IDENTIFICATION AS SPECIFIED IN TABLE 4
3. PART OR IDENTIFYING NUMBER (PIN) EXAMPLE: