

REV.
C

SAE AS85049/142

FEDERAL SUPPLY CLASS
4030

RATIONALE

REVISE TO CORRECT TABLE 3, DASH NUMBERS 10 AND 11, DIMENSION "H DIAMETER AS SUPPLIED MINIMUM", THE LISTED DIMENSIONS ARE INCORRECT.

NOTICE

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

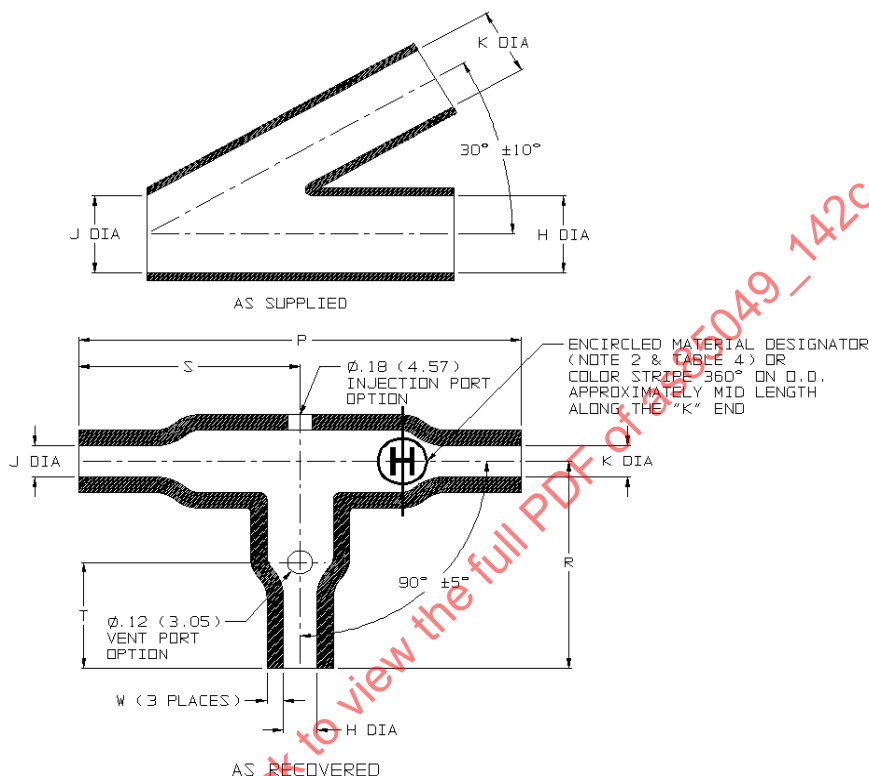


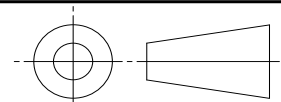
FIGURE 1 - BOOT, T-TYPE (SEE TABLE 1)

TABLE 1 - DIMENSIONS FOR 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	.26 (6.6)	.14 (3.6)	1.17 (29.7)	.58 (14.7)	.59 (15.0)	N/A	.04 (1.0)
02	.52 (13.2)	.27 (6.9)	2.31 (58.7)	1.16 (29.5)	1.16 (29.5)	.69 (17.5)	.06 (1.5)
03	1.06 (26.9)	.53 (13.5)	4.73 (120.1)	2.36 (59.9)	2.37 (60.2)	1.40 (35.6)	.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)	.12 (3.0)

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

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

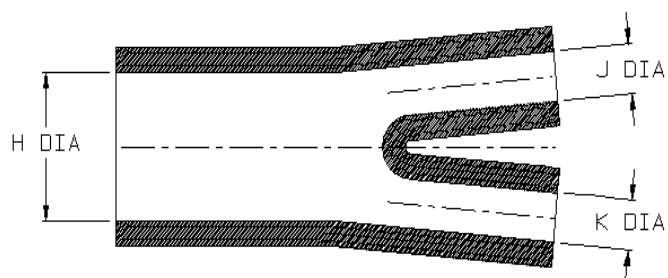
SAE Aerospace
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AEROSPACE STANDARD

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

SAE AS85049/142
SHEET 1 OF 5

REV.
C



AS SUPPLIED

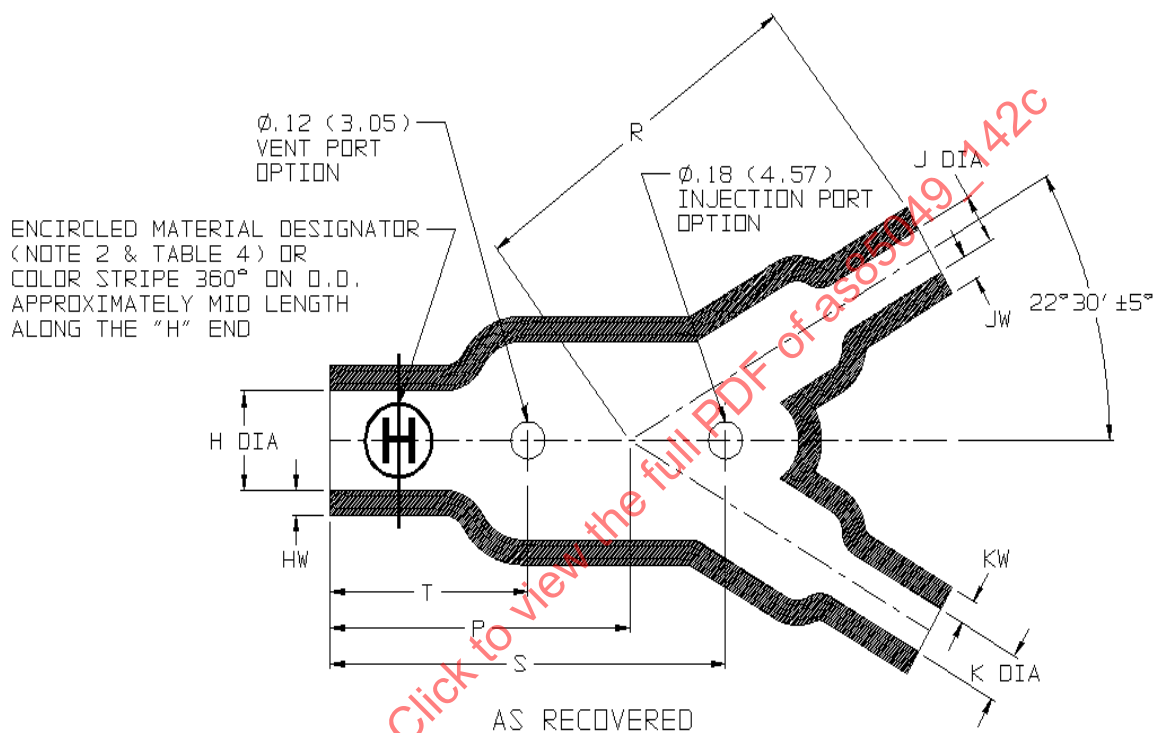


FIGURE 2 - BOOT, Y-TYPE (SEE TABLE 2)

TABLE 2 - DIMENSIONS FOR 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	.52 (13.2)	.24 (6.1)	.26 (6.6)	.13 (3.3)	.88 (22.4)	.76 (19.3)	.94 (23.9)	.61 (15.5)	.06 (1.5)	.04 (1.0)
06	1.06 (26.9)	.49 (12.4)	.52 (13.2)	.24 (6.1)	1.50 (38.1)	1.70 (43.2)	2.10 (53.3)	1.30 (33.0)	.10 (2.5)	.06 (1.5)
07	1.52 (38.6)	.71 (18.0)	1.06 (26.9)	.49 (12.4)	2.58 (65.5)	3.10 (78.7)	3.10 (78.7)	2.20 (55.9)	.12 (3.0)	.10 (2.5)
08	2.19 (55.6)	1.02 (25.9)	1.06 (26.9)	.50 (12.7)	3.35 (85.1)	3.70 (94.0)	4.40 (111.8)	2.80 (71.1)	.18 (4.6)	.10 (2.5)

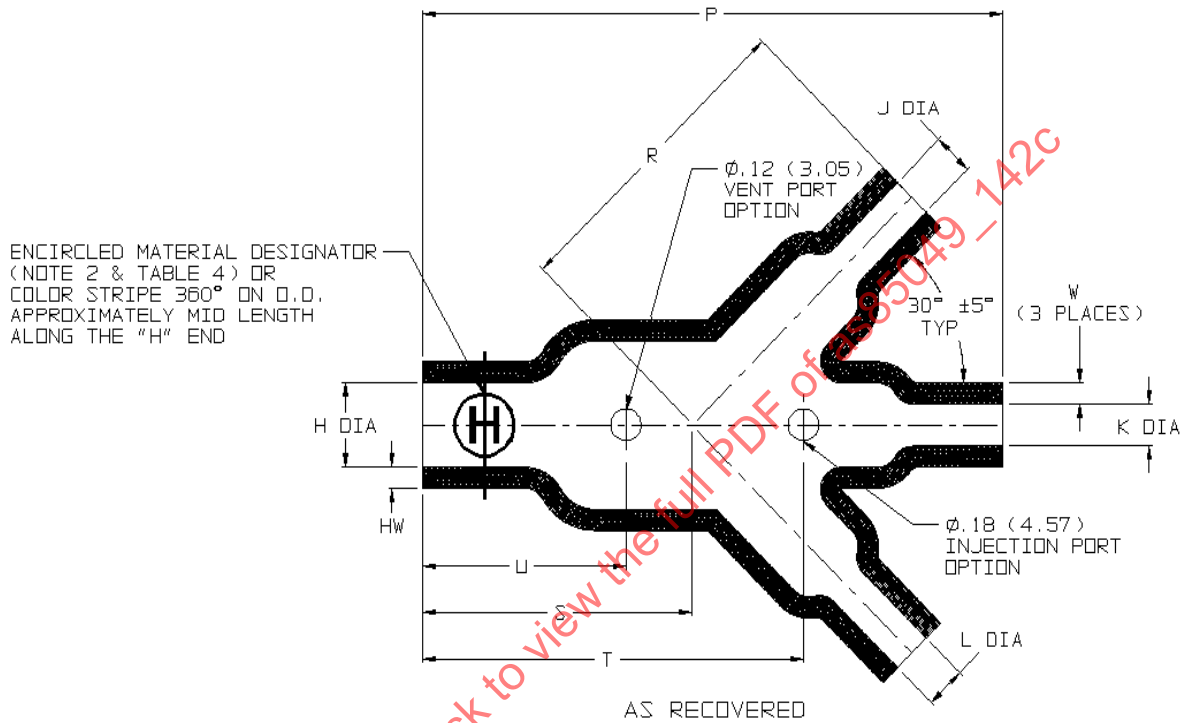
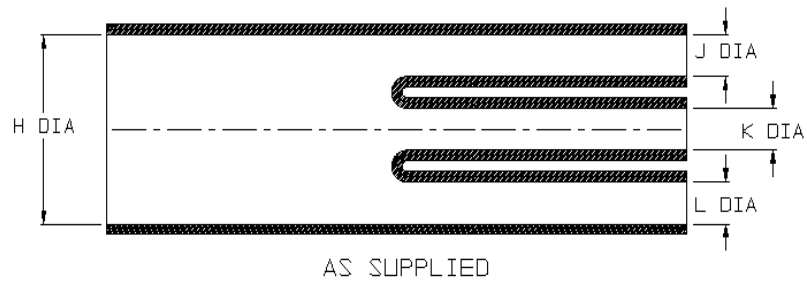


FIGURE 3 - BOOT, 1 TO 3 TYPE (SEE TABLE 3)

TABLE 3 - DIMENSIONS FOR 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	.52 (13.2)	.26 (6.6)	.26 (6.6)	.14 (3.6)	1.82 (46.2)	1.00 (25.4)	.82 (20.8)	.62 (15.7)	1.20 (30.5)	.06 (1.5)	.04 (1.0)
10	1.06 (26.9)	.53 (13.5)	.52 (13.2)	.27 (6.9)	3.67 (93.2)	1.98 (50.3)	1.69 (42.9)	1.30 (33.0)	2.25 (57.2)	.10 (2.5)	.06 (1.5)
11	1.52 (38.6)	.75 (19.1)	.76 (19.3)	.38 (9.7)	5.32 (135.1)	2.90 (73.7)	2.42 (61.5)	1.80 (45.7)	3.50 (88.9)	.12 (3.0)	.07 (1.8)
12	2.19 (55.6)	1.00 (25.4)	1.06 (26.9)	.49 (12.4)	7.56 (192.0)	4.06 (103.1)	3.50 (88.9)	2.80 (71.1)	4.80 (121.9)	.18 (4.6)	.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)	.28 (7.1)	.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 MANUFACTURER'S CHOICE.

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

4/ MATERIAL SHALL BE CERTIFIED TO AS5258.

REQUIREMENTS:

CONNECTOR ACCESSORY DESIGN AND CONSTRUCTION:

- DIMENSIONS AND CONFIGURATIONS AS SPECIFIED IN FIGURES 1 THRU 3 AND TABLES 1 THRU 3. DIMENSIONS H AND J REDUCED BY .06 INCH (1.5 MM) WHEN ADHESIVE IS USED (SEE EXAMPLE PART NUMBER). DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE .XX = ±.020 (0.51 MM), .XXX = ±.010 (0.25 MM). METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4 MM = 1 INCH. METRIC EQUIVALENTS ARE SHOWN IN PARENTHESES.
- MATERIAL TYPE AND IDENTIFICATION AS SPECIFIED IN TABLE 4
- PART OR IDENTIFYING NUMBER (PIN) EXAMPLE:

