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RATIONALE

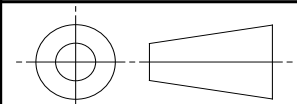
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

INDIVIDUAL SHIELD TERMINATION,
CONNECTOR, ELECTRICAL
(CATEGORY 9)

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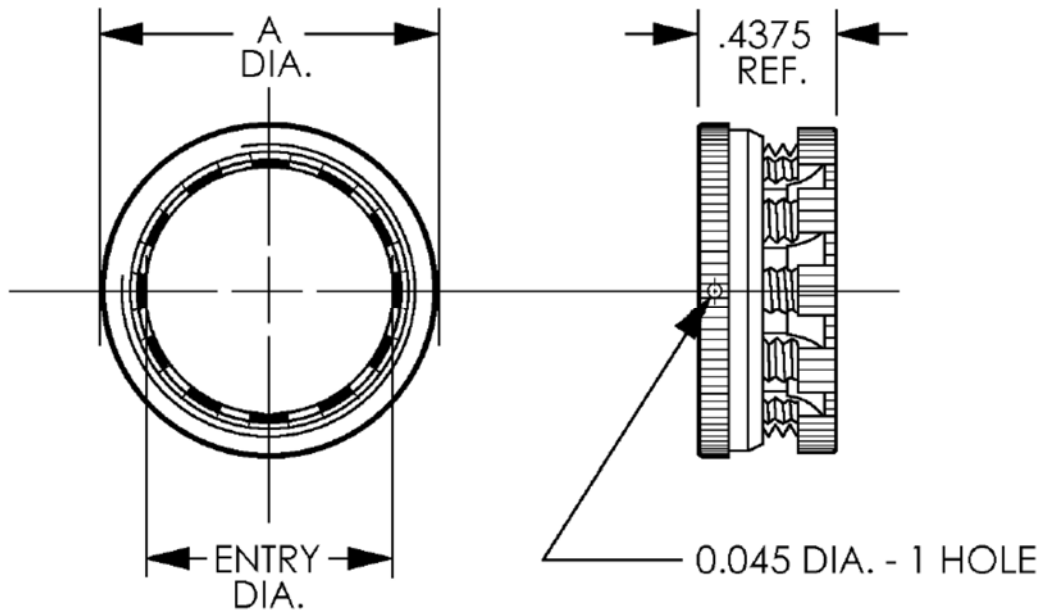


FIGURE 1 - INDIVIDUAL SHIELD TERMINATION

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS
.045	1.143
.4375	11.1125

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TABLE 2 - FIGURE 1 DIMENSIONS

DASH NUMBER	ENTRY DIAMETER	A DIA. MAX.	NUMBER OF SLOTS	WEIGHT IN POUNDS (GRAMS) REF.
2	.250 (6.350)	.545 (13.843)	3	.005 (2.268)
3	.375 (9.525)	.670 (17.018)	4	.006 (2.722)
4	.500 (12.700)	.795 (20.193)	6	.007 (3.175)
5	.625 (15.875)	.920 (23.368)	8	.009 (4.082)
6	.750 (19.050)	1.045 (26.543)	10	.010 (4.536)
7	.875 (22.225)	1.170 (29.718)	10	.011 (4.990)
8	1.000 (25.400)	1.295 (32.893)	12	.012 (5.443)
9	1.125 (28.575)	1.420 (36.068)	15	.014 (6.350)
10	1.250 (31.750)	1.687 (42.850)	15	.023 (10.433)
11	1.375 (34.925)	1.812 (46.025)	15	.032 (14.515)

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:

THE SHIELD TERMINATION SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 2. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS ARE IN PARENTHESES, GIVEN FOR INFORMATION ONLY, AND BASED ON 1 INCH = 25.4 MILLIMETERS. UNLESS OTHERWISE SPECIFIED, TOLERANCE SHALL BE .XX ± .03 (0.762 MILLIMETERS) AND .XXX ± .015 (0.381 MILLIMETERS). ANGULAR TOLERANCES SHALL BE X° ± 2°.

2. MATERIAL:

- a. BODY - ALUMINUM ALLOY IN ACCORDANCE WITH ASTM B221 OR ASTM B211.
- b. NUT - ALUMINUM ALLOY IN ACCORDANCE WITH ASTM B221 OR ASTM B211.
- c. SPRING - COPPER ALLOY.
- d. FRICTION WASHER - TEFLON.

3. FINISH:

- a. BODY - GOLD CHEMICAL CONVERSION COATING IN ACCORDANCE WITH MIL-DTL-5541, CLASS 3.
- b. NUT - GOLD CHEMICAL CONVERSION COATING IN ACCORDANCE WITH MIL-DTL-5541, CLASS 3.

4. SHIELD COMPENSATION: CAPTIVATED SPRING MEMBER IN CLAMP NUT COMPENSATES FOR DIFFERENCES IN SHIELD THICKNESS OF AT LEAST .020 INCH (0.508 MILLIMETER) BETWEEN ADJACENT SLOTS IN BODY.

5. SHIELD ACCOMMODATION: EACH SLOT IN BODY WILL ACCOMMODATE UP TO .180 INCH (4.572 MILLIMETERS) TOTAL SHIELD THICKNESS.



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