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REV.
A

AS17845™

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO REMOVE ALL GOVERNMENT/WORD FOR WORD CONVERSION INFORMATION, TO ADD THE APPROPRIATE PROCUREMENT SPECIFICATION, TO IMPROVE DRAWING LEGIBILITY, TO CORRECT ALL DOCUMENT REFERENCES AND TO UPDATE DOCUMENT TO LATEST SAE FORMAT GUIDELINES.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81790.

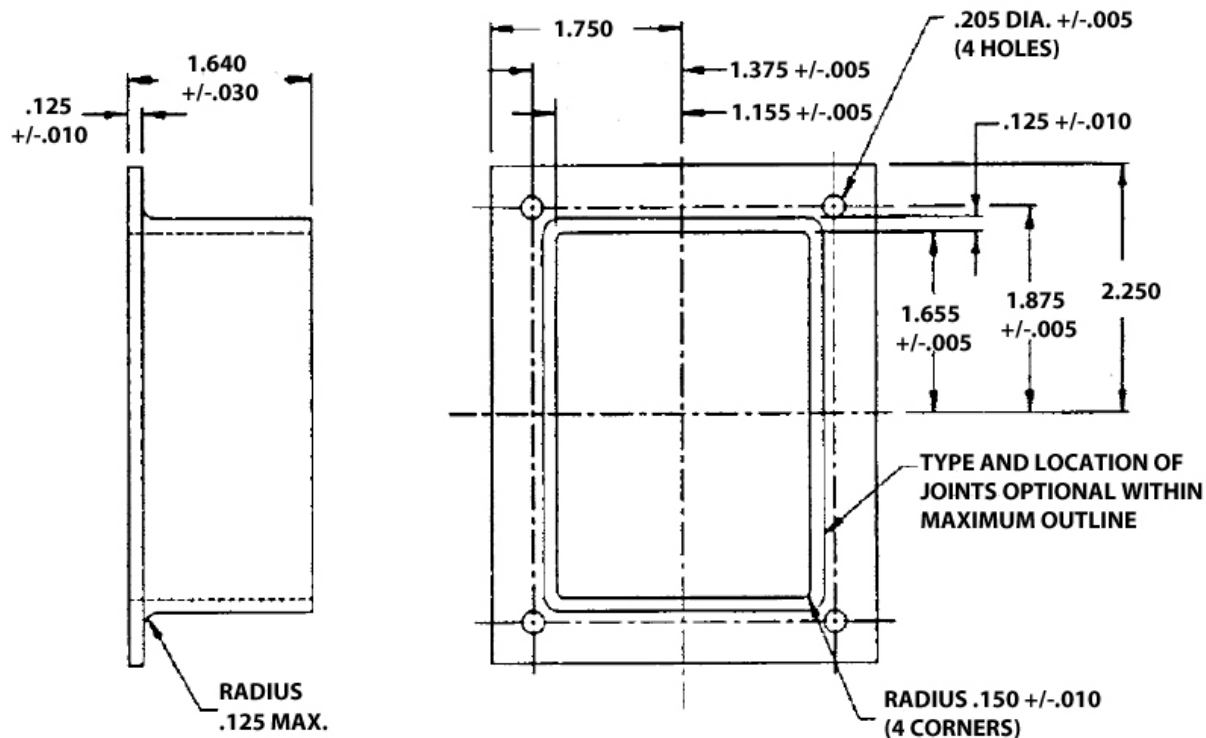
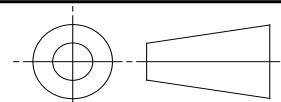


FIGURE 1 - SHIELD CONFIGURATION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS17845A/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS81790



AEROSPACE STANDARD

(R) SHIELD FOR USE WITH AS90362
EXTERNAL POWER RECEPTACLES

AS17845™
SHEET 1 OF 2

REV.
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TABLE 2 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.005	0.127	.125	3.18	1.375	34.93	1.875	47.63
.010	0.254	.150	3.81	1.640	41.66	2.250	57.15
.0300	0.762	.205	5.21	1.655	42.04		
.050	1.27	1.155	29.34	1.750	44.45		

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81790.

1. SHIELD SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLES 1 AND 2. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. TOLERANCES: DECIMALS $\pm .015$. DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ANSI/ASME Y14.5.
2. UNLESS OTHERWISE INDICATED, DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES.
3. REMOVE ALL BURRS AND BREAK SHARP EDGES.
4. SHIELD MATERIAL AND COATING AS REQUIRED BY AS81790.
5. THIS SHIELD SHALL MATE WITH AS90362 EXTERNAL POWER RECEPTACLES 115/200 VOLTS.
6. CLEARANCE SHALL BE PROVIDED AROUND EACH HOLE TO PERMIT INSTALLATION OF A SCREW WITH A HEAD DIAMETER OF .313 MAXIMUM AND A HEAD HEIGHT OF .180 MAXIMUM. THIS CLEARANCE SHALL EXTEND TO THE FACE OF THE FLANGE. NO RADIUS SHALL INTERFERE WITH THE SEATING OF THE SCREW.
7. A 2° MAXIMUM DRAFT ANGLE IS ALLOWABLE.
8. PART NUMBER: MS17845-1. ALSO SEE TABLE 2.

TABLE 2 - PART NUMBER SUPERSESSION AND MAXIMUM WEIGHT

PART NUMBER	SUPERSEDES	MAXIMUM WEIGHT (POUND)
MS17845-1	MS17845 (WEP)	.5

SPECIFICATION NOTES:

1. A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

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	(R) SHIELD FOR USE WITH AS90362 EXTERNAL POWER RECEPTACLES			



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