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AS5259™/8

RATIONALE

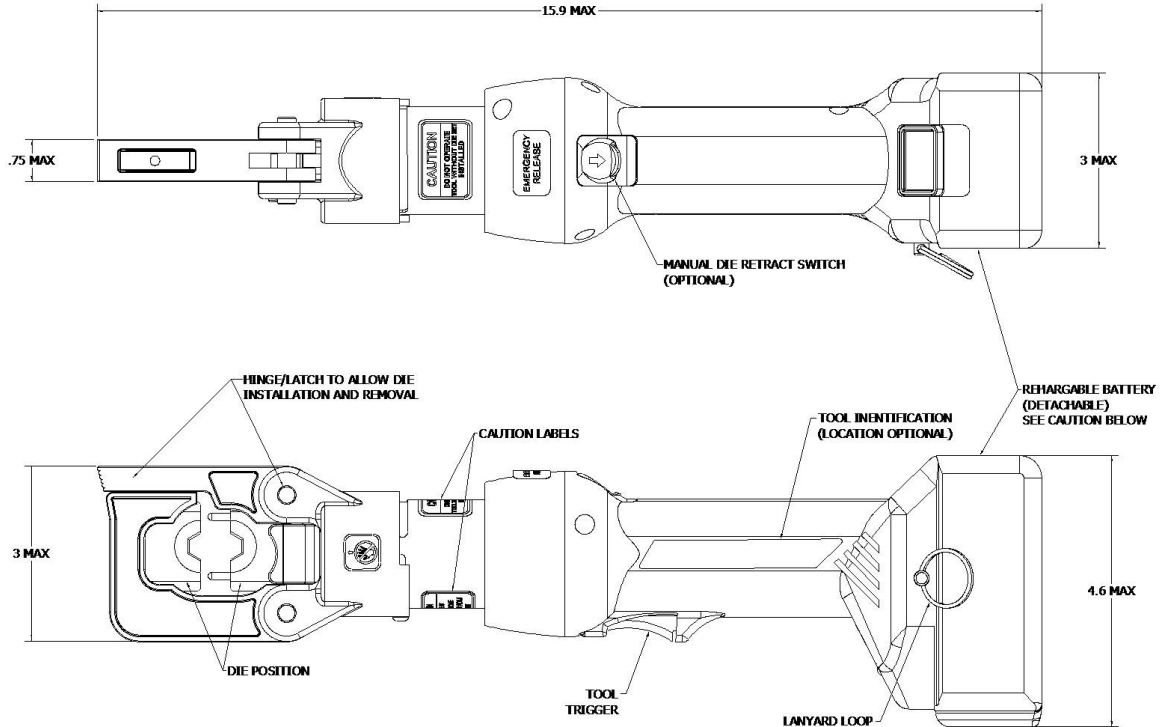
FEDERAL SUPPLY CLASS
5120

PROVIDE A STANDARD TOOL (CONTROLLED BY A SPECIFICATION) TO REPLACE NONSTANDARD (COMMERCIAL) TOOLS PROCURED BY USERS TO TERMINATE SAE INTERNATIONAL STANDARD WIRING COMPONENTS.

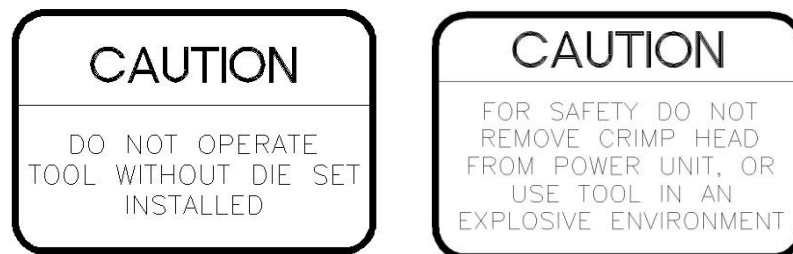
AS5259/8 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS5259.



CAUTION: TOOL IS NOT TO BE USED IN EXPLOSIVE ENVIRONMENTS. AS5259/8 TOOL IS POWERED BY AN ELECTRICAL (BATTERY) DRIVE SYSTEM. CAUTION SHOULD BE USED WHEN OPERATING THE TOOL. DO NOT INSTALL/REMOVE THE BATTERY OR OPERATE TOOL IN OR NEAR POTENTIALLY EXPLOSIVE VAPORS OR FLAMMABLE LIQUIDS. ELECTRICAL SPARKS PRODUCED BY STORED ELECTRICAL ENERGY MAY CAUSE UNEXPECTED IGNITION OF FLAMMABLE HAZARDS.

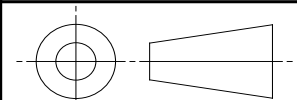


CAUTION LABELS

FIGURE 1 - AS5259/8-01 BASIC CRIMPING TOOL

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5259/8/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS5259



AEROSPACE STANDARD

CRIMPING TOOL AND ACCESSORIES, 18VDC BATTERY ELECTRIC, PORTABLE HYDRAULIC, WIRE SIZE 8 TO 00 UN-INSULATED, AND SIZE 8 THROUGH 2 INSULATED CRIMP BARRELS

AS5259™/8
SHEET 1 OF 4

Documents

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REQUIREMENTS: AS SPECIFIED IN AS5259 AND THIS SPECIFICATION.

1. CONFIGURATION

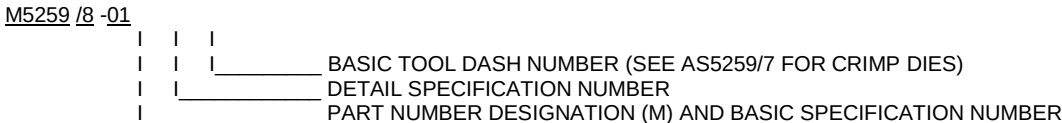
- a. DIMENSIONS SHALL BE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE ± 0.015 AND ANGLES $\pm 1^\circ$. BASIC TOOL CONFIGURATION SHALL BE OPTIONAL WITHIN ENVELOPE DIMENSIONS.
- b. DIES SHALL BE IN ACCORDANCE WITH AS5259/7 AND AS SPECIFIED IN TABLE 1.
- c. DIE INSPECTION GAGES SHALL BE IN ACCORDANCE AS5259/6 AND AS SPECIFIED IN TABLE 1.
- d. TOOL SHALL HAVE A MANUAL DIE RETRACT SWITCH THAT PERMITS THE DIES TO BE OPENED PRIOR TO A COMPLETE CRIMP (SEE APPLICATION NOTES). A COMPONENT IS CONSIDERED COMPLETELY CRIMPED ONLY WHEN THE DIES ARE CLOSED (SEE AS5259).
- e. TOOL SHALL GENERATE AN OUTPUT FORCE OF 5.5 TONS (11000 LBF) AT THE DIE FACES AND AUTO RETRACT AFTER COMPLETION OF CRIMP CYCLE.
- f. TOOL SHALL HAVE A RECHARGEABLE BATTERY FOR POWER (SEE MANUFACTURER'S INSTRUCTIONS). BATTERY SHALL BE ATTACHABLE AND REMOVABLE TO/FROM THE TOOL AND CHARGER WITH A LATCH MECHANISM.
- g. MAXIMUM WEIGHT WITH HEAVIEST DIE SPECIFIED IN TABLE 1 SHALL BE 6.5 POUNDS.
- h. TOOL SHALL HAVE LANYARD TO SUPPORT TOOL ON A HOOK. THE LANYARD WILL NOT PULL OUT WHEN DROPPED 3 FEET ON AN ATTACHED ROPE OR CHAIN.
- i. UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER, THE TOOL SHALL BE SUPPLIED IN A STORAGE CONTAINER IN ACCORDANCE WITH AS5259. THE CONTAINER SHALL INCLUDE TWO BATTERIES, THE CHARGER AND OTHER ACCESSORIES AS NEEDED TO OPERATE THE TOOL. AS5259/7 DIES AND GAGES ARE NOT REQUIRED, BUT THE CONTAINER SHALL PROVIDE SPACE FOR THE DIES AND GAGES LISTED IN TABLE 1.
- j. ALL BURRS SHALL BE REMOVED AND BREAK SHARP EDGES.
- k. MANUFACTURER INSTRUCTION SHALL BE PROVIDED WITH EACH TOOL. AS A MINIMUM THE INSTRUCTION SHALL CONTAIN THE FOLLOWING INFORMATION (SEE AS5259 FOR MORE DETAILS):
 - 1. PART NUMBERS FOR ALL ACCESSORIES (BATTERY, CHARGER, ETC.). IF THE PART NUMBERS ARE OTHER THAN THE TOOL MANUFACTURER PART NUMBER, THE SOURCE OF THE ACCESSORIES SHALL BE PROVIDED.
 - 2. INSTRUCTION ON HOW TO USE THE CHARGER AND HOW TO DETERMINE THE BATTERY IS FULLY CHARGED.
 - 3. INSTRUCTION ON HOW TO OPERATE THE TOOL (INSERTION/REMOVAL AND GAGING OF THE DIES, COMPONENT ALIGNMENT, TOOL PERFORMANCE, COMPONENT INSPECTION, INSPECTION OF THE CRIMP, ETC.).
 - 4. ALL COMPONENT PARTS NUMBER WITH RELATED DIES AND GAGES THAT CAN BE PERFORMED WITH THE AS5259/8 TOOL.
 - 5. SAFETY ISSUES AND WARNINGS.

2. MATERIALS

- a. TOOL HEAD SHALL BE STEEL WITH A BLACK OXIDE FINISH DESIGNED TO MEET THE PERFORMANCE REQUIREMENTS OF AS5259.

3. MARKING

- a. MANUFACTURER NAME OR SYMBOL, PART NUMBER, AND SAE PART IDENTIFICATION NUMBER (M5259/8-01) IS REQUIRED ON THE TOOL (LOCATION OPTIONAL). SUPPLIER SYMBOL SHALL BE IN ACCORDANCE WITH AIR1351.
- b. SAE PART IDENTIFICATION NUMBER



- c. LABELS SHALL BE PRESENT AND LEGIBLE AFTER ALL QUALIFICATION TESTS.

	AEROSPACE STANDARD	AS5259™/8 SHEET 2 OF 4	
	CRIMPING TOOL AND ACCESSORIES, 18VDC BATTERY ELECTRIC, PORTABLE HYDRAULIC, WIRE SIZE 8 TO 00 UN-INSULATED, AND SIZE 8 THROUGH 2 INSULATED CRIMP BARRELS		