

REV.  
A

SAE AS5768/2

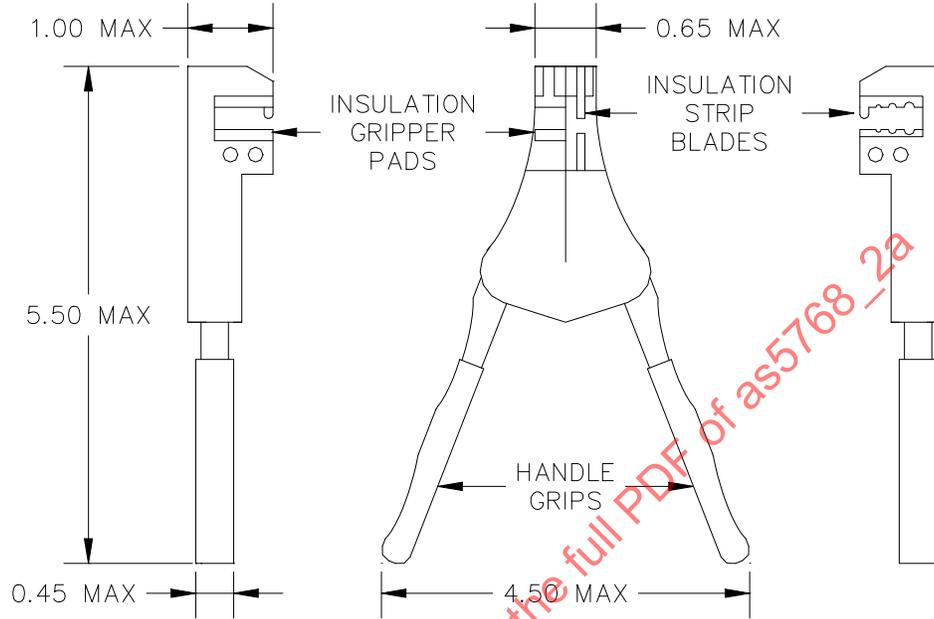
FEDERAL SUPPLY CLASS  
5120

RATIONALE

CHANGES REQUIRED TO CLARIFY QUALIFICATION AND STANDARDIZATION REQUIREMENTS FOR MULTIPLE SOURCES AND ADDRESS MINOR TECHNICAL ERRORS

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS5768.



TOOL PART NUMBER AND APPLICABLE WIRE SPECIFICATIONS FROM TABLE 1 LABELED ON THE BACK OF THE TOOL FRAME. MANUFACTURER IDENTIFICATION AND PART NUMBER REQUIRED (LOCATION OPTIONAL).

FIGURE 1 - STRIPPER TOOL ASSEMBLY WITH BLADES AND PADS ATTACHED (ALSO SEE TABLE 1)

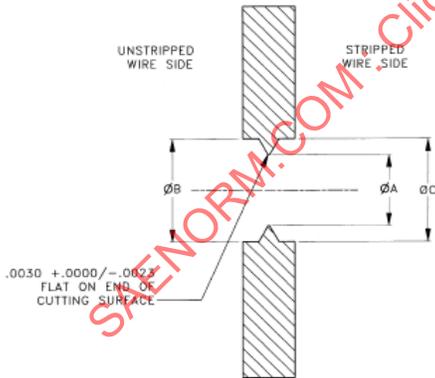
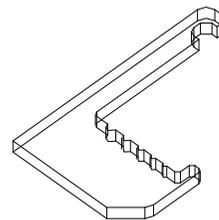
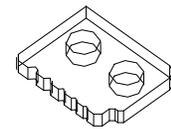


FIGURE 2 - BLADE DIES (SEE TABLE 2 AND AS5768)



UPPER BLADE -1

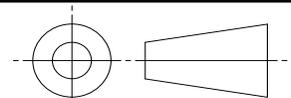


LOWER BLADE -2

FIGURE 3 - BLADE ASSEMBLY

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS5768

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**AEROSPACE STANDARD**

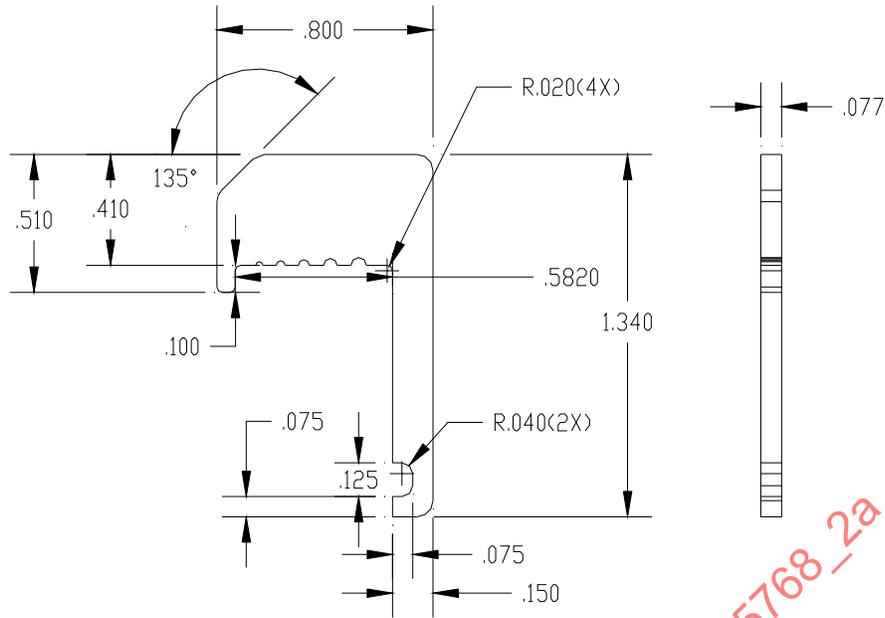
TOOL, STRIPPER, MANUALLY ACTUATED,  
SMALL GRIP, ELECTRICAL INSULATION, ROUND  
WIRE, SIZE 16 TO 30

**SAE AS5768/2**  
SHEET 1 OF 5

**REV. A**

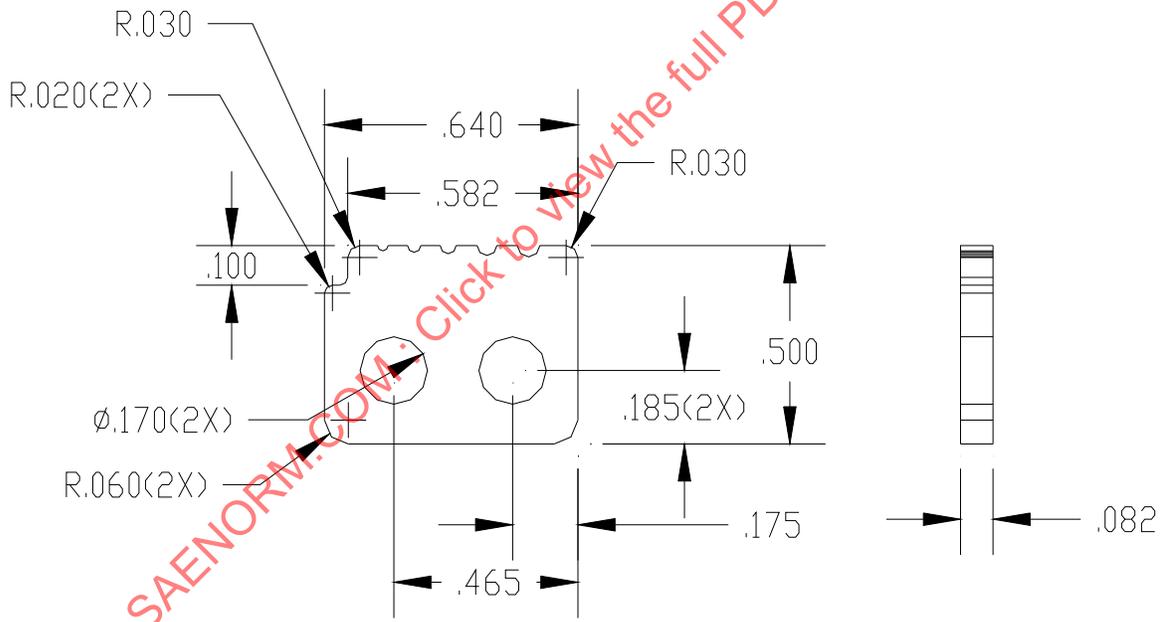
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ISSUED 2008-08 REVISED 2010-05



NOTE: BLADE PART NUMBER TO BE LABELED ABOVE THE WIRE CAVITIES (SEE TABLE 2)

UPPER BLADE 1 DIMENSIONS (ALSO SEE TABLE 2)



NOTE: CAVITY WIRE SIZE SHALL BE LABELED UNDER EACH CAVITY (SEE TABLE 2)

LOWER BLADE 2 DIMENSIONS

FIGURE 4 – UPER AND LOWER BLADE ASSEMBLY DIMENSIONS (SEE TABLE 2)

 An SAE International Group	<b>AEROSPACE STANDARD</b>	<b>SAE AS5768/2</b> SHEET 2 OF 5	<b>REV.</b> <b>A</b>
	TOOL, STRIPPER, MANUALLY ACTUATED, SMALL GRIP, ELECTRICAL INSULATION, ROUND WIRE, SIZE 16 TO 30		

TABLE 1 - TOOL ASSEMBLY WITH BLADES AND PADS ATTACHED (SEE FIGURES 2 THRU 4)

TOOL PART NUMBER AS5768/2-T	BLADE PART NUMBER AS5768/2-B	WIRE TYPE	WIRE SIZE CAVITIES
1	1	AS22759/9, /10 MIL-DTL-81381/3, /4	16-22
2	2	AS22759/9, /10 MIL-DTL-81381/3, /4	24-30
3	3	AS22759/32, /34, /35, /41-/43 MIL-DTL-81381/1, /2, /6-/14, /17-/22	24-30
4	4	AS22759/32, /34, /35, /41-/43	16-24
5	5	AS22759/80, /81, /91, /92	16-24
6	6	AS22759/80, /81, /91, /92	20-26
7	7	AS22759/86-/90	16-24
8	8	AS22759/86-/90	20-26
9	9	AS81044/6, /7	16-24
10	10	AS81044/6, /7	20-26
11	11	AS81044/12, /13	16-24
12	12	AS81044/12, /13	24-30
13	13	MIL-DTL-81381/1, /2, /6-/14, /17-/22	16-24

TABLE 2 - BLADE DIE DIMENSIONS FOR APPLICABLE TOOL ASSEMBLY (SEE FIGURE 2)

BLADE PART NUMBER AS5768/2-B	TOOL PART NUMBER AS5768/2-T	DIA ØA	DIA ØB	DIA ØC	WIRE TYPE	WIRE SIZE CAVITY
		± .001	± .002	± .002		1/
1	1	0.061	0.081	0.081	AS22759/9, /10 MIL-DTL-81381/3, /4	16
		0.052	0.070	0.070		18
		0.042	0.0595	0.0595		20
		0.034	0.052	0.052		22
2	2	0.028	0.043	0.043	AS22759/9, /10 MIL-DTL-81381/3, /4	24
		0.023	0.039	0.039		26
		0.019	0.035	0.035		28
		0.016	0.032	0.032		30
3	3	0.027	0.039	0.039	AS22759/32, /34, /35, /41-/43 MIL-DTL-81381/1, /2, /6-/14, /17-/22	24
		0.022	0.034	0.034		26
		0.019	0.035	0.035		28
		0.016	0.032	0.032		30
4	4	0.057	0.083	0.083	AS22759/32, /34, /35, /41-43	16
		0.050	0.074	0.074		18
		0.040	0.063	0.063		20
		0.032	0.055	0.055		22
		0.026	0.048	0.048		24
5	5	0.055	0.070	0.070	AS22759/80, /81, /91, /92	16
		0.0492	0.061	0.061		18
		0.0394	0.051	0.051		20
		0.0315	0.043	0.043		22
		0.025	0.038	0.038		24

TABLE 2 - BLADE DIE DIMENSIONS FOR APPLICABLE TOOL ASSEMBLY (SEE FIGURE 2) (CONTINUED)

BLADE PART NUMBER AS5758/2-B	TOOL PART NUMBER AS5758/2-T	DIA ØA ± .001	DIA ØB ±.002	DIA ØC ± .002	WIRE TYPE	WIRE SIZE CAVITY 1/
6	6	0.0394	0.051	0.051	AS22759/80, /81, /91, /92	20
		0.0315	0.043	0.043		22
		0.0256	0.038	0.038		24
		0.0210	0.033	0.033		26
7	7	0.055	0.074	0.074	AS22759/86-/90	16
		0.0492	0.0669	0.0669		18
		0.0394	0.057	0.057		20
		0.0312	0.048	0.048		22
		0.0256	0.042	0.042		24
8	8	0.0394	0.057	0.057	AS22759/86-/90	20
		0.0312	0.048	0.048		22
		0.0256	0.042	0.042		24
		0.0204	0.038	0.038		26
9	9	0.062	0.096	0.096	AS81044/6, /7	16
		0.052	0.086	0.086		18
		0.042	0.073	0.073		20
		0.035	0.0635	0.0635		22
		0.0292	0.0595	0.0595		24
10	10	0.042	0.073	0.073	AS81044/6, /7	20
		0.035	0.0635	0.0635		22
		0.0292	0.0595	0.0595		24
		0.022	0.052	0.052		26
11	11	0.057	0.083	0.083	AS81044/12, /13	16
		0.050	0.074	0.074		18
		0.040	0.063	0.063		20
		0.032	0.055	0.055		22
		0.026	0.048	0.048		24
12	12	0.026	0.048	0.048	AS81044/12, /13	24
		0.022	0.034	0.034		26
		0.019	0.035	0.035		28
		0.016	0.032	0.032		30
13	13	0.057	0.069	0.069	MIL-DTL-81381/1, /2, /6-/14, /17-/22	16
		0.051	0.063	0.063		18
		0.041	0.053	0.053		20
		0.033	0.045	0.045		22
		0.027	0.039	0.039		24

1/ DEPICTS THE NUMBER OF WIRE CAVITIES FOR EACH BLADE PART NUMBER (I.E., AS5768/2-B1 STRIPS 4 WIRE SIZES 16, 18, 20, 22) AND DEPICTS DIE DIMENSIONS PER CAVITY FOR 16, 18, 20, 22.

REQUIREMENTS:

1. MATERIALS: UNSPECIFIED (SEE AS5768)
2. TOOL DESIGN CHARACTERISTICS EXAMINATION: EXAMINE FOR TOOL DESIGN CHARACTERISTICS IN ACCORDANCE WITH THE MANUALLY OPERATED MECHANICAL WIRE STRIPPER FOR ROUND WIRES USING SPLIT BLADES.
3. TOOL ASSEMBLY INSTRUCTION EXAMINATION: REQUIRED FRAME – BLADE COMBINATIONS.
4. VISUAL EXAMINATION: EXAMINE TOOL IN ACCORDANCE WITH VISUAL EXAMINATION AND THE MANUALLY ACTUATED WIRE STRIPPER FOR ROUND WIRE USING SPLIT BLADES REQUIREMENTS. BLADE DIMENSIONS SHALL BE MEASURE IN THE BLADE UNASSEMBLED CONDITION AS SHOWN IN FIGURE 4. BLADE DESIGN IS OPTIONAL WITHIN THE DIMENSIONAL ENVELOPE SPECIFIED IN FIGURE 4. ALL EDGES SHALL BE BROKEN. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE STATED TOLERANCES ARE 0.XX ±.01, 0.XXX ±.002, 0.XXXX ±.0010, AND ANGLES ± ½ DEGREE.
5. TOOL ASSEMBLY WEIGHT: 0.50 POUNDS (MAX)
6. MARKING EXAMINATION: MARKING LOCATION SHALL BE AS SPECIFIED IN THE FIGURES.

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	TOOL, STRIPPER, MANUALLY ACTUATED, SMALL GRIP, ELECTRICAL INSULATION, ROUND WIRE, SIZE 16 TO 30		