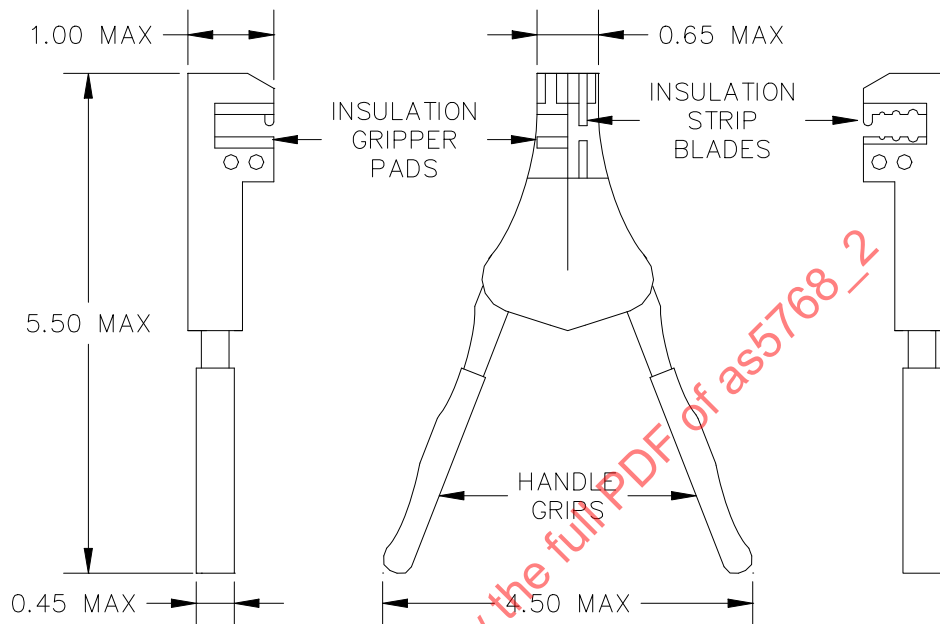


RATIONALE

PRIOR TO RELEASE OF THIS DOCUMENT THERE WAS NO STANDARDIZATION OF INSULATION STRIPPING TOOLS OR SPECIFIC REQUIREMENTS FOR PERFORMANCE. THESE TOOLS WERE TYPICALLY PROCURED BY MANUFACTURER PART NUMBERS.

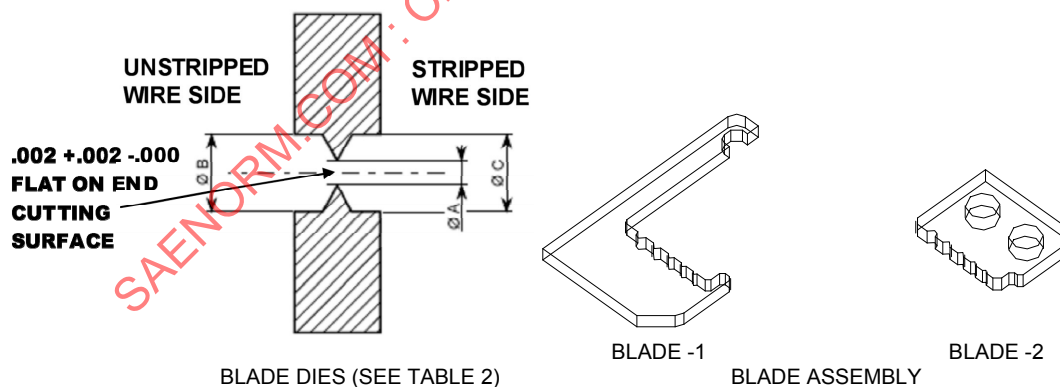
NOTICE

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 (SEE TABLE 1)



THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C2

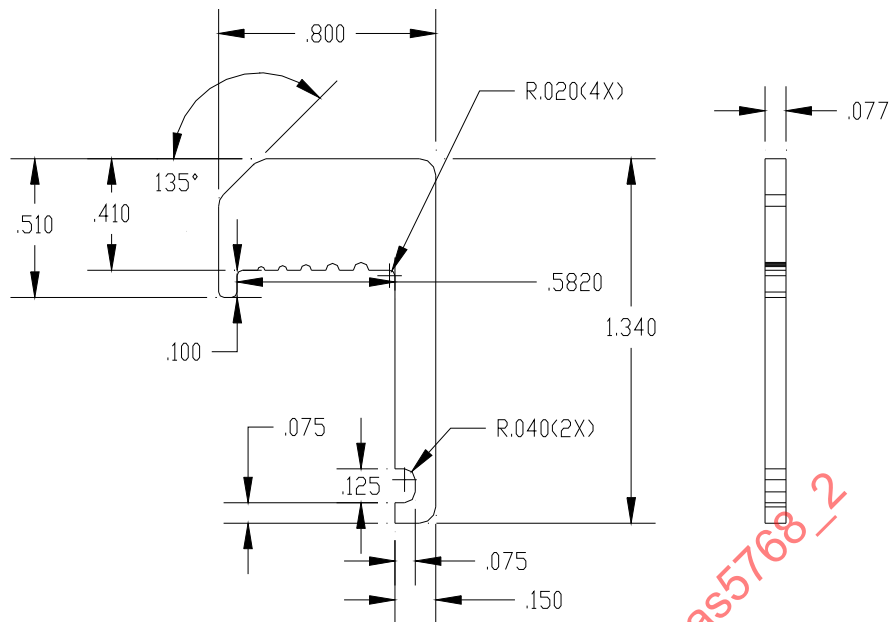
PROCUREMENT SPECIFICATION: AS5768

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

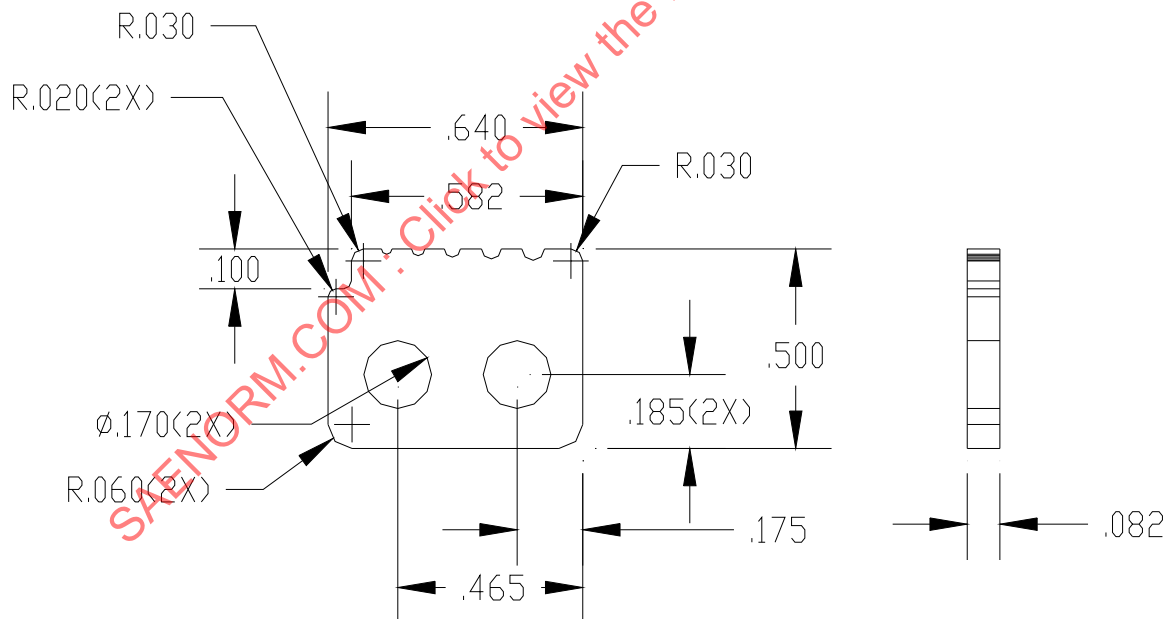
TOOL, STRIPPER, MANUALLY ACTUATED,
SMALL GRIP, ELECTRICAL INSULATION, ROUND WIRE,
SIZE 16 TO 30

SAE AS5768/2
SHEET 1 OF 6



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

BLADE 1 DIMENSIONS (SEE TABLE 2)



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

BLADE 2 DIMENSIONS

FIGURE 2 - BLADE ASSEMBLY DIMENSIONS (SEE TABLE 2)

TABLE 1 - TOOL ASSEMBLY (BLADES AND PADS ATTACHED)

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 ± .001	DIA ØB ± .002	DIA ØC ± .002	WIRE TYPE	WIRE SIZE CAVITY 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
5	5	0.026	0.048	0.048	AS22759/80, /81, /91, /92	24
		0.055	0.070	0.070		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
4. VISUAL EXAMINATION: EXAMINE TOOL IN ACCORDANCE WITH VISUAL EXAMINATION AND THE MANUALLY ACTUATED WIRE STRIPPER FOR ROUND WIRE USING SPLIT BLADES REQUIREMENTS. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE STATED, TOLERANCES ARE 0.XX ±.01, 0.XXX ±.002, 0.XXXX ±.0005, AND ANGLES ± 1/2°.
5. TOOL ASSEMBLY WEIGHT: 0.50 POUNDS (MAX)