



SURFACE VEHICLE RECOMMENDED PRACTICE

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Electrical Terminals Blade Type

RATIONALE

This document is being stabilized because it is old technology used by the service industry. The OEM now use USCAR for the blade sizes.

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1. **Scope**—Blade terminals listed in this SAE Recommended Practice may be used for terminating wire ends, or for terminating circuits on devices other than wire.
2. **References**—There are no referenced publications specified herein.
3. When blade terminals are used for terminating wire, the temper of the terminals shall be sufficiently soft to permit the terminals being assembled to the wire and not show any fracture or cracks which would impair the strength of the assembly.

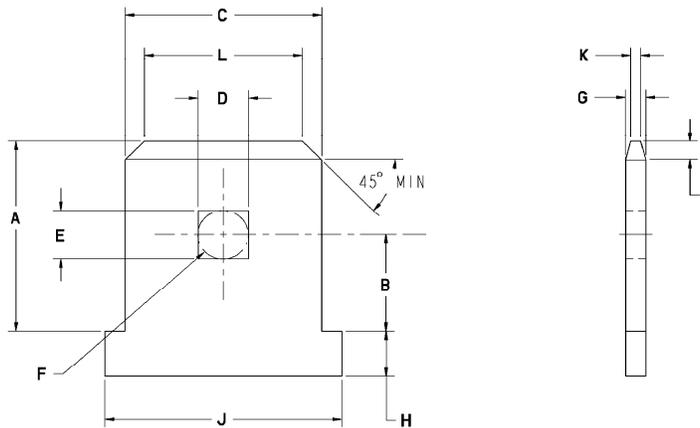
Terminals may be applied to wire by crimping, welding, swaging, soldering, or any combination at conductor grip.

Insulation grips must be used on all terminals, or some external means of relieving strain shall be provided.

When assembled to wire, the terminals shall fit, and securely grip, the conductor and when applicable, the insulation.

When blade terminals are used to terminate circuits on devices, they shall be of a temper that will permit the terminating section to be formed and attached to the device without fracturing or cracking. The temper should be high enough to resist displacement of the terminal and consequently misalignment to the mating connector.

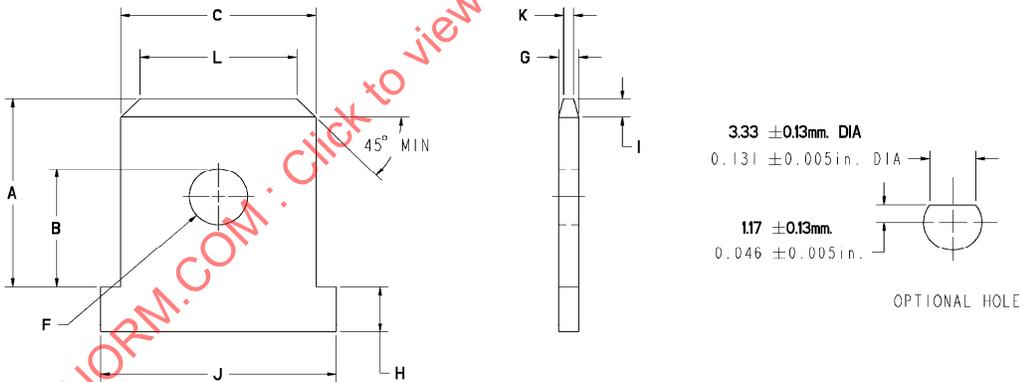
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NOTES 1, 2, 3, 4 APPLY

SAE No.	WIDTH (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
	7.94	782-808	4.06±0.08	7.72-8.13	2.03-2.54	1.78-2.03	1.78-2.03	0.81±0.03	1.91 min	0.76±0.25	9.37-9.73	0.33-0.48	6.10-6.60
	6.35	780-805	4.06±0.08	6.20-6.40	2.03-2.54	1.78-2.03	1.78-2.03	0.81±0.03	1.91 min	0.76±0.25	7.47-8.18	0.33-0.48	4.52-5.03
	4.76	6.22-6.60	3.56±0.08	4.65-4.88	1.40-1.91	1.14-1.40	1.14-1.40	0.81±0.03	1.91 min	0.76±0.25	6.10-6.86	0.15-0.30	2.97-3.51
	WIDTH (in)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	I (in)	J (in)	K (in)	L (in)
5/16	0.308-0.318	0.160±0.003	0.304-0.320	0.080-0.100	0.070-0.080	0.070-0.080	0.070-0.080	0.032±0.001	0.075 min	0.030±0.010	0.369-0.383	0.013-0.019	0.240-0.260
1/4	0.307-0.317	0.160±0.003	0.244-0.252	0.080-0.100	0.070-0.080	0.070-0.080	0.070-0.080	0.032±0.001	0.075 min	0.030±0.010	0.294-0.322	0.013-0.019	0.178-0.198
3/16	0.245-0.260	0.140±0.003	0.183-0.192	0.055-0.075	0.045-0.055	0.045-0.055	0.045-0.055	0.020±0.001	0.075 min	0.030±0.010	0.240-0.270	0.006-0.012	0.117-0.138

FIGURE 1A—BLADE TERMINAL WITH DEPRESSION FOR USE WITH MATING SINGLE CONNECTORS



NOTES 1, 2, 3, 4 APPLY

SAE No.	WIDTH (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)
	7.94	782-808	4.93-5.08	7.72-8.13	-	-	2.29-2.44	0.81±0.03	1.91 min	0.76±0.25	9.37-9.73	0.33-0.48	6.10-6.60
	6.35	780-805	4.93-5.08	6.20-6.40	-	-	2.29-2.44	0.81±0.03	1.91 min	0.76±0.25	7.47-8.18	0.33-0.48	4.52-5.03
	4.76	6.22-6.60	3.81-4.06	4.65-4.88	-	-	1.40-1.65	0.81±0.03	1.91 min	0.76±0.25	6.10-6.86	0.15-0.30	2.97-3.51
	WIDTH (in)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	I (in)	J (in)	K (in)	L (in)
5/16	0.308-0.318	0.194-0.200	0.304-0.320	-	-	0.090-0.096	0.090-0.096	0.032±0.001	0.075 min	0.030±0.010	0.369-0.383	0.013-0.019	0.240-0.260
1/4	0.307-0.317	0.194-0.200	0.244-0.252	-	-	0.090-0.096	0.090-0.096	0.032±0.001	0.075 min	0.030±0.010	0.294-0.322	0.013-0.019	0.178-0.198
3/16	0.245-0.260	0.150-0.160	0.183-0.192	-	-	0.055-0.065	0.055-0.065	0.020±0.001	0.075 min	0.030±0.010	0.240-0.270	0.006-0.012	0.117-0.138

FIGURE 1B—BLADE TERMINAL WITH HOLE FOR USE WITH MATING SINGLE CONNECTORS