

# TECHNICAL DATA    *Press-Fit Insulated Terminals*

Press-Fit Terminals have outstanding electrical, mechanical, thermal and chemical properties made possible through the use of uncontaminated ptfe resin - long known for its exceptional inherent physical properties - as well as close fabrication control. The highest production standards are assured because quality control at ITT Sealectro is based on United Kingdom Ministry specifications and methods and these inspection procedures are carried on from receipt of the ptfe right down to the assembled terminals.

**Characteristics of ptfe**

**Electrical Properties**

|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Volume Resistivity<br>(50% RH, 23°C)                        | 10 <sup>18</sup> ohm/cm       |
| Dielectric Constant<br>(60 Hz to 10 <sup>6</sup> Hz)        | 2.0-2.2                       |
| Dielectric Strength (volts/mil)                             | 400-450                       |
| Dissipation (power) Factor<br>(60 Hz to 10 <sup>6</sup> Hz) | 0.0002                        |
| Corona Resistance<br>(see ratings in tables)                | No tracking<br>or carbonizing |
| Capacitance<br>(see ratings in tables)                      | Very low                      |

**Mechanical Properties**

|                       |                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------|
| Tensile Strength      | 1500-2500 psi<br><small>(105 kgf/cm<sup>2</sup> - 175 kgf/cm<sup>2</sup>)</small>     |
| Elongation            | 75-150%                                                                               |
| Modulus of Elasticity | 50000-55000 psi<br><small>(3500 kgf/cm<sup>2</sup> - 3850 kgf/cm<sup>2</sup>)</small> |

**Chemical Properties**

|                                                                                                              |                                        |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Resistant to all acids and alkalis of all concentrations, as well as to all common solvents, fungus and rot. |                                        |
| Water absorbtion [24 hour immersion 1/8" (3.175) thickness]                                                  | 0.01%                                  |
| Burning Rate                                                                                                 | None                                   |
| Effect of Sunlight, Ultra-violet and Infra-red light                                                         | None                                   |
| Temperature Range<br>(not affected by soldering operations or cryogenic environs)                            | -100°C to +250°C<br>(-148°F to +482°F) |

**Testing Data**

Capacitance and voltage measured with terminals installed in chassis permitting 0.040" (1.016) protrusion of the ptfe bushing but not more than 0.050" (1.27) thick.

**Note: While the above values are typical of the materials used, they should not be quoted on users specifications or drawings of ITT Sealectro Insulated Terminals**

**Plating**

|                                                                                                                   |                                                                                   |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Standard plating code for the lug portion of each terminal is given in the 13th & 14th digits of the part number. |                                                                                   |
| 20                                                                                                                | Gold flash 0.000005" (0.13 micron) min. over silver 0.0003" (7.62 micron) min.    |
| 51                                                                                                                | Greville Tinned to ITT Sealectro specification A0143502                           |
| 59                                                                                                                | Bright acid tin 0.0003" (7.62 micron) min. over 0.0002" (5.08 micron) min. copper |
| 60                                                                                                                | Silver 0.0002" (5.08 micron) over copper flash.                                   |

**Bushing Colour**

All terminals are manufactured with white ptfe

**Dimensions**

All dimensions are in inches with metric equivalents given in brackets or green throughout.

# INSTALLATION PROCEDURE

# Press-Fit Insulated Terminals

The Press-Fit method is the simplest, fastest, most economical terminal installation, with practically no restriction as to chassis material and thickness. The procedure is further simplified by the use of Insertion Tools available from ITT Sealectro. These inexpensive tools are designed to fit any drill press or hand-arbor press.

Recommended Insertion Tools for each terminal are listed in the first column following the terminal part number on each table in the catalogue.

(1) PUNCH OR DRILL HOLE in chassis 0.013" + 0.002 (0.05) less than diameter of terminal section (dia G in tables) passing through chassis. Minimum protrusion of bushing passing through chassis 0.040" (1.0). Maximum thickness of chassis 0.125" (3.18); for greater thickness ask for our recommendations. Countersink from breakout or die side of chassis (not from punch side)

(2) COUNTERSINK ENTRANCE EDGE ....Use 60° countersink when chassis thickness is 0.040" (1.0) and over; use 82° countersink when chassis thickness is less than 0.040" (1.0). This enables centring of terminal in hole and prevents scoring the ptfе bushing. Depth and maximum diameter of countersink is determined by thickness of chassis stock and bushing's major diameter.

(3) INSERTION TOOL.... Insertion tool is placed in chuck of drill press (power off) or hand arbor press. Terminal is held by tool, leaving assembler's hands free to index and centre chassis hole underneath tool. Proper pressure is applied and released just as soon as major diameter of terminal seats itself.

| Bushing Minor Dia.<br>(Dia "G" in tables) |           | Hole or punch<br>Dia. "A" ±0.002"<br>(±0.05) |       | Countersink Dia."B"<br>+0.010"- 0.000"<br>(+0.25 - 0.00) |                                       |
|-------------------------------------------|-----------|----------------------------------------------|-------|----------------------------------------------------------|---------------------------------------|
| .075                                      | 1.90      | .070                                         | 1.78  | .083 <sup>+0.005</sup> <sub>-.000</sub>                  | 2.11 <sup>+0.13</sup> <sub>-.00</sub> |
| .093                                      | 2.36      | .086                                         | 2.18  | .110                                                     | 2.79                                  |
| .104                                      | 2.64      | .091                                         | 2.31  | .115                                                     | 2.92                                  |
| .125                                      | 3.18      | .113                                         | 3.87  | .135                                                     | 3.43                                  |
| .148                                      | 3.76      | .136                                         | 3.45  | .160                                                     | 4.06                                  |
| .165                                      | 4.19      | .152                                         | 3.86  | .175                                                     | 4.45                                  |
| .171-.172                                 | 4.34-4.37 | .158                                         | 4.01  | .175                                                     | 4.45                                  |
| .185                                      | 4.70      | .172                                         | 4.37  | .195                                                     | 4.95                                  |
| .217-.218                                 | 5.51-5.54 | .205                                         | 5.21  | .235                                                     | 5.97                                  |
| .256                                      | 6.50      | .243                                         | 6.17  | .269                                                     | 6.83                                  |
| .290                                      | 7.37      | .277                                         | 7.04  | .305                                                     | 7.75                                  |
| .373                                      | 9.48      | .360                                         | 9.15  | .380                                                     | 9.65                                  |
| .513                                      | 13.03     | .500                                         | 12.70 | .537                                                     | 13.64                                 |

.040" (1.0) and over

Use 60° countersink for chassis thickness .040"(1.0) and over

Under .040" (1.0)

Use 82° countersink for chassis thickness under .040"(1.0)

Metal Chassis

Punched & Drawn hole

Punch & Countersink Detail

Dim "A"  
+.0000(0.00)  
-.0005(0.13)

Draw Punch & Die Detail

PUNCH  
Dia "A"  
Bullet Nose  
DIE  
See Note 4

NOTES

1. Ptfе should protrude .040"(1.0) min below chassis
2. Clearance between punch & die should be held to normal shop tolerances governed by material & thickness & type
3. Predrawn hole size is governed by material type & thickness
4. Die diameter is punch diameter plus double the metal thickness, tolerances being consistent with normal shop practice.

## STEP DRILLS

Drill and countersink in one operation

ITT Sealectro Part No. (See table)

| Part No.   | A    |      | B*   |      | C° | D    |      |
|------------|------|------|------|------|----|------|------|
| 086-115-60 | .086 | 2.18 | .115 | 2.92 | 60 | .187 | 4.75 |
| 136-160-60 | .136 | 3.45 | .160 | 4.06 | 60 | .187 | 4.75 |
| 136-160-82 | .136 | 3.45 | .160 | 4.06 | 82 | .187 | 4.75 |
| 152-175-60 | .152 | 3.86 | .175 | 4.45 | 60 | .187 | 4.75 |
| 158-175-60 | .158 | 4.01 | .175 | 4.45 | 60 | .187 | 4.75 |
| 172-195-60 | .172 | 4.37 | .195 | 4.95 | 60 | .250 | 6.35 |
| 205-235-60 | .205 | 5.21 | .235 | 5.97 | 60 | .250 | 6.35 |

Note: B\* is recommended diameter of countersink +.010(0.25) - .000(0.00)

STAND OFFS    Press-Fit Terminals

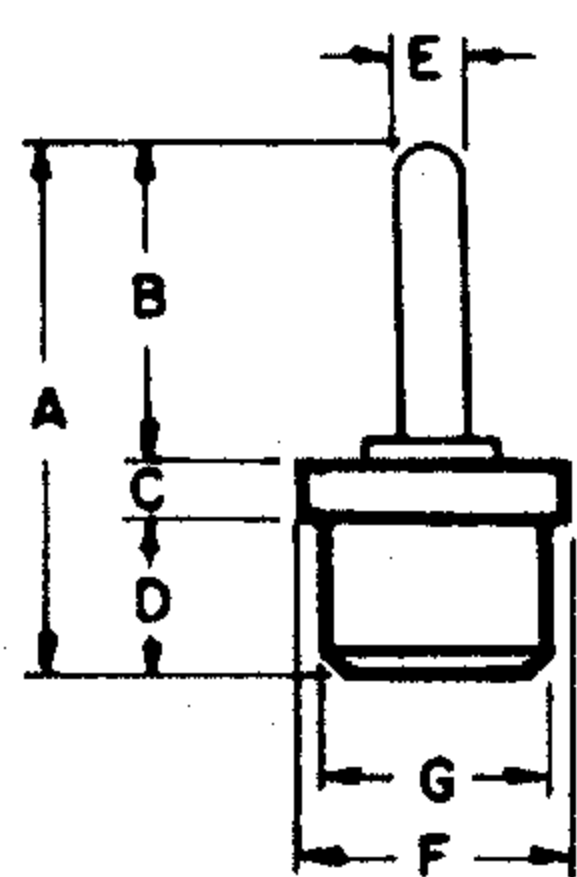


Fig 1

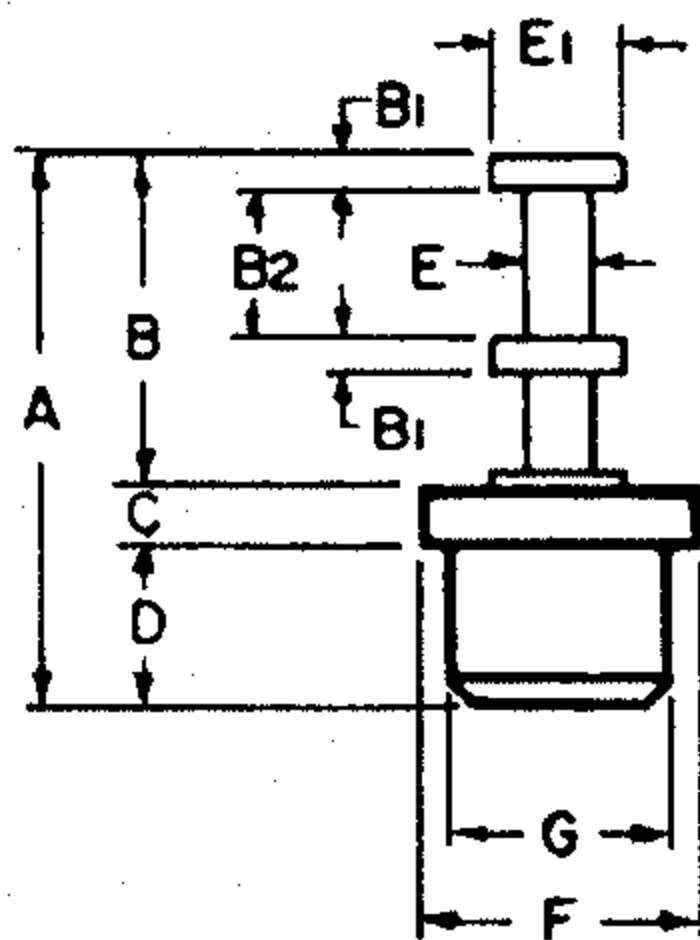


Fig 2

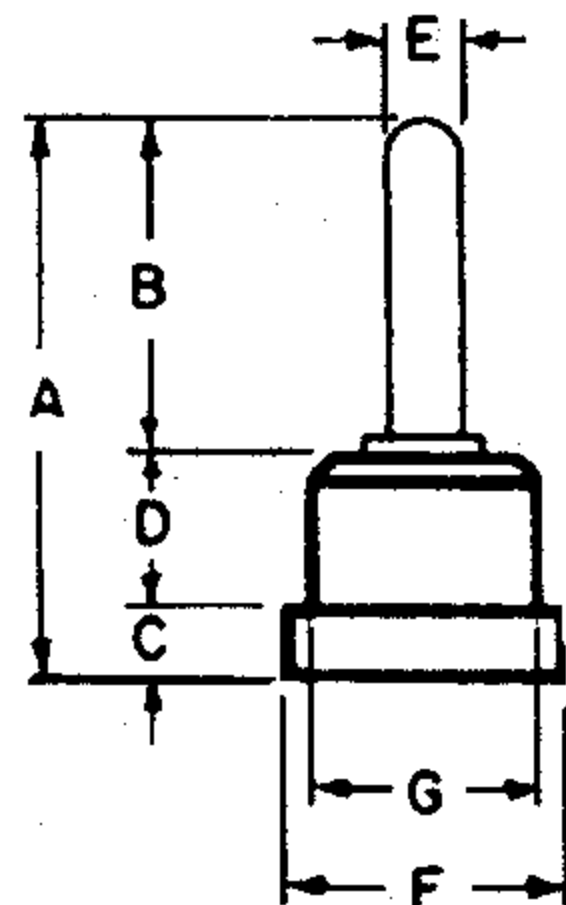


Fig 3

| Fig | Part No.        | Tool No. | Approx Capacitance mmf | V RMS 50Hz     |                     | A           | B           | B1          | B2          | C           | D           | E Dia       | E1 Dia      | F Dia       | G * Dia      |
|-----|-----------------|----------|------------------------|----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
|     |                 |          |                        | Nominal Rating | Flashover Sea Level |             |             |             |             |             |             |             |             |             |              |
| 1   | 013-1000-040519 | B-8      | 0.45                   | 1000           | 3000                | .350<br>8.9 | .210<br>5.3 |             |             | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 |             | .172<br>4.4 | .148<br>3.76 |
| 2   | 013-2001-040519 | B-8      | 0.40                   | 1000           | 3000                | .350<br>8.9 | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 | .080<br>2.0 | .172<br>4.4 | .148<br>3.76 |
| 2   | 013-2003-040519 | B-8      | 0.50                   | 1000           | 3000                | .375<br>9.5 | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 | .125<br>3.2 | .040<br>1.0 | .080<br>2.0 | .172<br>4.4 | .148<br>3.76 |
| 1   | 013-1019-040519 | B-15     | 0.45                   | 1000           | 3000                | .350<br>8.9 | .210<br>5.3 |             |             | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 |             | .195<br>5.0 | .172<br>4.37 |
| 1   | 003-1009-040519 | B3-1     | 0.60                   | 1000           | 3000                | .350<br>8.9 | .210<br>5.3 |             |             | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 |             | .125<br>3.2 | .093<br>2.36 |
| 2   | 003-2003-040519 | B3-2B    | 0.60                   | 1000           | 3000                | .350<br>8.9 | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 | .080<br>2.0 | .125<br>3.2 | .093<br>2.36 |
| 3   | 014-1001-040519 | B8-G     | 0.40                   | 1200           | 3500                | .330<br>8.4 | .210<br>5.3 |             |             | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 |             | .125<br>3.2 | .093<br>2.36 |
| 3   | 004-1007-040519 | B3-2X    | 0.40                   | 1000           | 3000                | .350<br>8.9 | .210<br>5.3 |             |             | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 |             | .172<br>4.4 | .148<br>3.76 |

\*+.002(0.05) -.000(0.00)

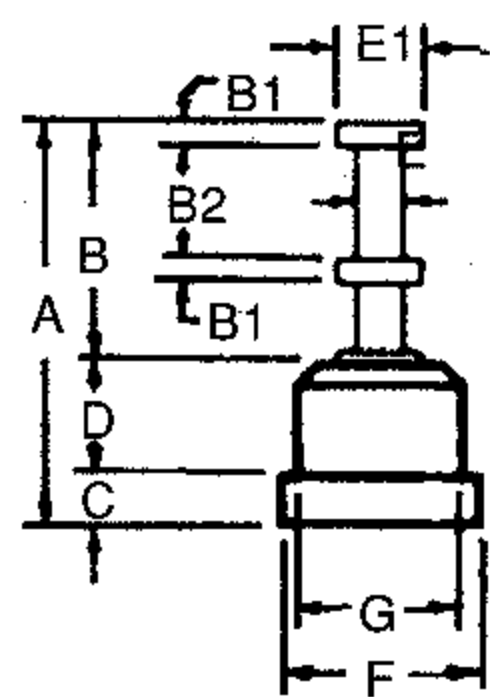


Fig 4

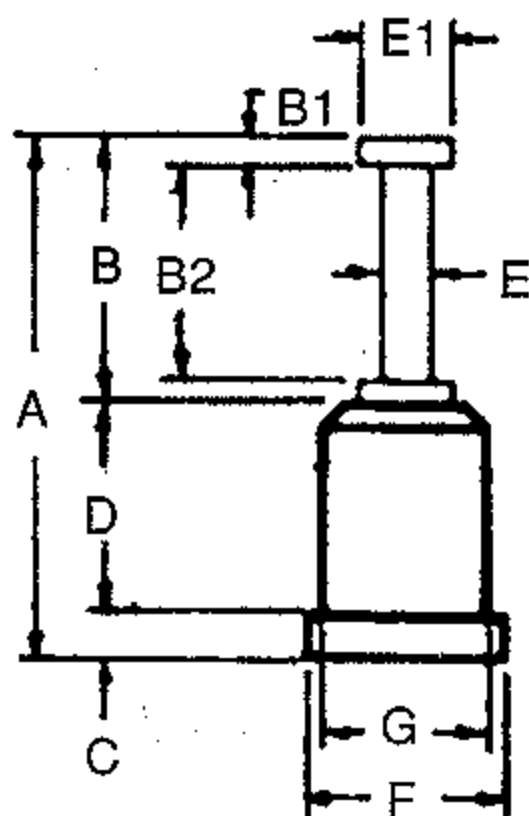


Fig 5

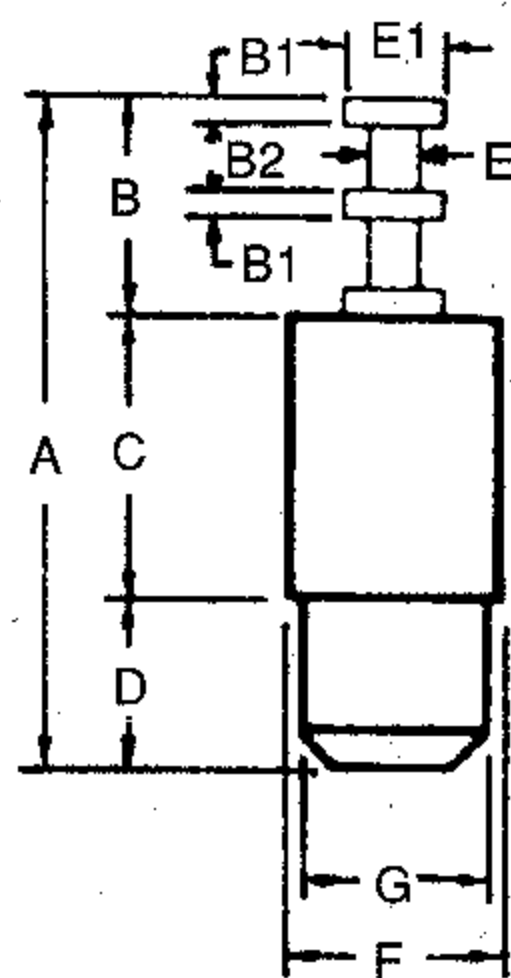


Fig 6

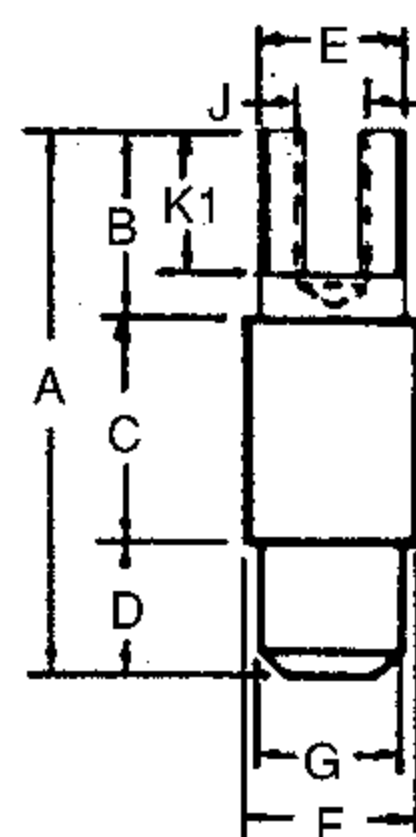


Fig 7

| Fig | Part No         | Tool No. | Approx Capacitance mmf | V RMS 50Hz     |                     | A            | B           | B1          | B2          | C           | D           | E Dia       | E1 Dia      | F Dia       | G * Dia      | J Dia       | K1          |
|-----|-----------------|----------|------------------------|----------------|---------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
|     |                 |          |                        | Nominal Rating | Flashover Sea Level |              |             |             |             |             |             |             |             |             |              |             |             |
| 4   | 014-2001-040519 | B8-X-1   | 0.40                   | 1200           | 3500                | .350<br>8.9  | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 | .080<br>2.0 | .172<br>4.4 | .148<br>3.76 |             |             |
| 5   | 014-2011-040519 | B8-X-1   | 0.50                   | 1700           | 4500                | .455<br>11.5 | .227<br>5.8 | .020<br>0.5 | .187<br>4.8 | .040<br>1.0 | .187<br>4.8 | .040<br>1.0 | .080<br>2.0 | .172<br>4.4 | .148<br>3.76 |             |             |
| 6   | 013-2046-040609 | B12      | 0.30                   | 2500           | 6000                | .431<br>10.9 | .156<br>4.0 | .020<br>0.5 | .046<br>1.2 | .125<br>3.2 | .150<br>3.8 | .046<br>1.2 | .093<br>2.4 | .187<br>4.8 | .165<br>4.19 |             |             |
| 7   | 013-3005-040609 | B11      | 0.70                   | 2000           | 5000                | .478<br>12.1 | .203<br>5.2 |             |             | .125<br>3.2 | .150<br>3.8 | .148<br>3.8 |             | .187<br>4.8 | .171<br>4.34 | .078<br>2.0 | .156<br>4.0 |
| 7   | 013-3007-040519 | B11      | 0.70                   | 2300           | 5600                | .540<br>13.7 | .203<br>5.2 |             |             | .187<br>4.8 | .150<br>3.8 | .148<br>3.8 |             | .187<br>4.8 | .171<br>4.34 | .078<br>2.0 | .156<br>4.0 |

\*+.002(0.05) -.000(0.00)

FEED-THROUGHS    Press-Fit Terminals

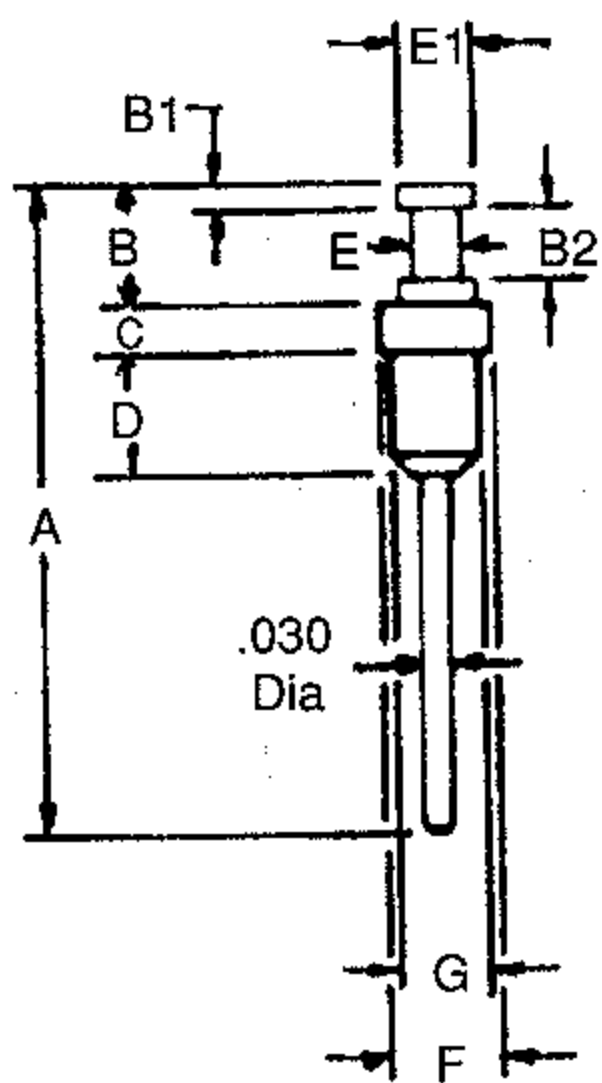


Fig 8

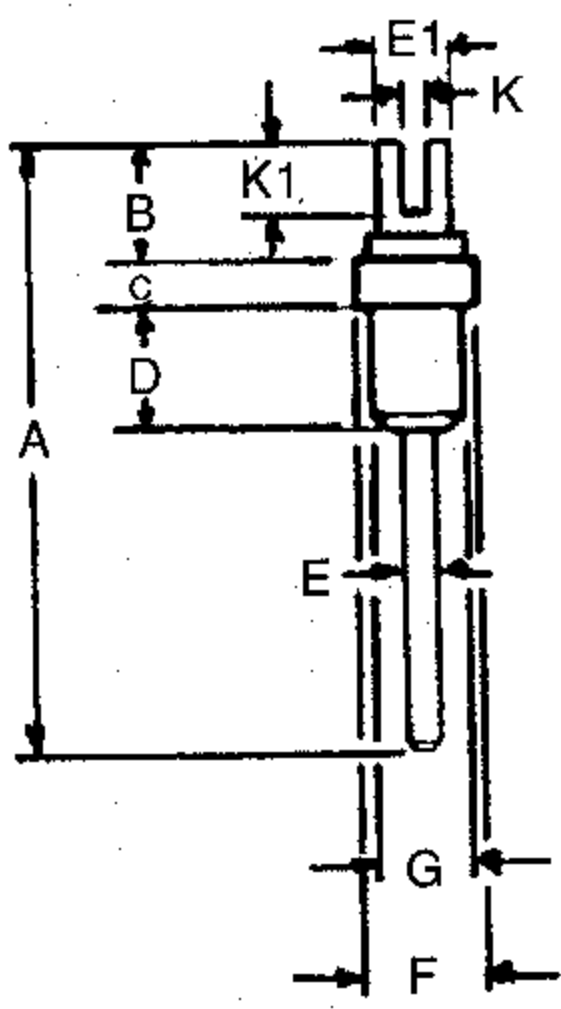


Fig 9

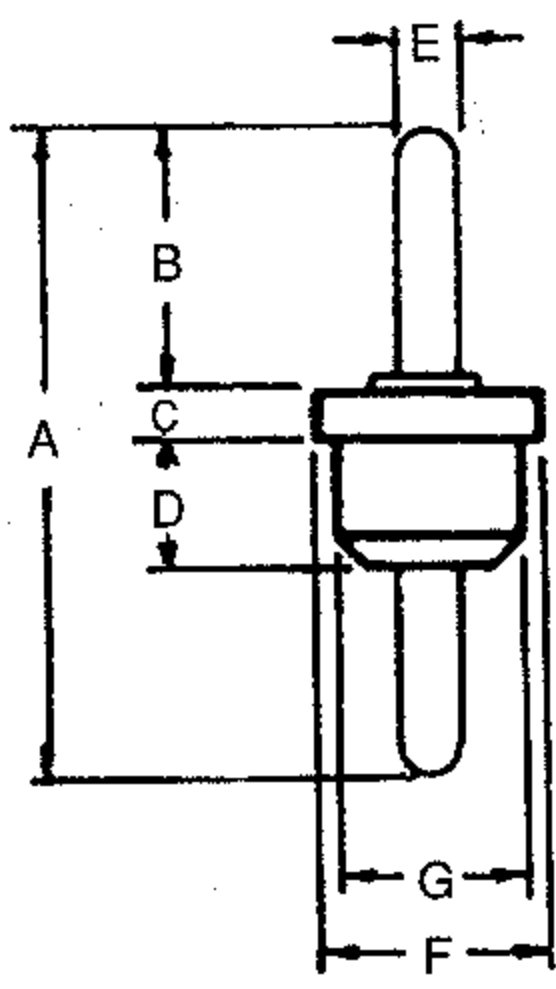


Fig 10

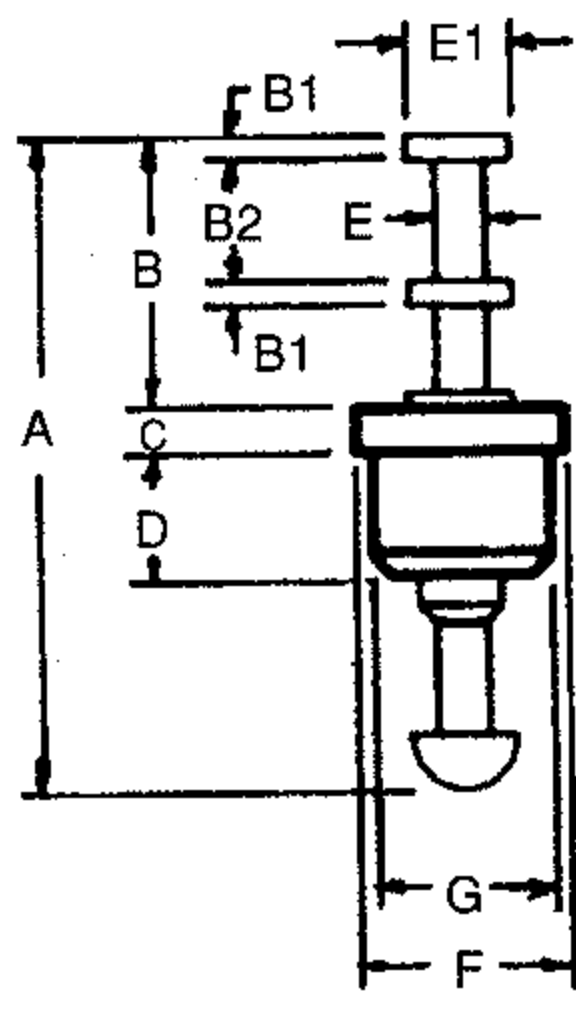


Fig 11

| Fig | Part No.        | Tool No. | Approx Capacitance mmf | V RMS 50Hz     |                     | A            | B           | B1          | B2          | C           | D           | E Dia       | E1 Dia      | F Dia       | G * Dia      | K           | K1          |
|-----|-----------------|----------|------------------------|----------------|---------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
|     |                 |          |                        | Nominal Rating | Flashover Sea Level |              |             |             |             |             |             |             |             |             |              |             |             |
| 8   | 001-2013-040519 | B0       | 0.70                   | 400            | 1800                | .510<br>13.0 | .100<br>2.5 | .020<br>0.5 | .060<br>1.5 | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 | .060<br>1.5 | .093<br>2.4 | .075<br>1.91 |             |             |
| 9   | 001-3012-040519 | B0-1     | 0.70                   | 400            | 1800                | .510<br>13.0 | .100<br>2.5 |             |             | .040<br>1.0 | .100<br>2.5 | .030<br>0.8 | .060<br>1.5 | .093<br>2.4 | .075<br>1.91 | .024<br>0.6 | .080<br>2.0 |
| 10  | 001-1038-040519 | B0-2     | 0.70                   | 400            | 1800                | .550<br>14.0 | .275<br>7.0 |             |             | .040<br>1.0 | .100<br>2.5 | .030<br>0.8 |             | .093<br>2.4 | .075<br>1.91 |             |             |
| 10  | 011-1004-040519 | B8-16    | 0.50                   | 1000           | 3000                | .515<br>13.1 | .210<br>5.3 |             |             | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 |             | .172<br>4.4 | .148<br>3.76 |             |             |
| 10  | 011-4021-040519 | B8-16    | 0.50                   | 1000           | 3000                | .375<br>9.5  | .125<br>3.2 |             |             | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 |             | .172<br>4.4 | .148<br>3.76 |             |             |
| 10  | 001-1007-040519 | B3-1     | 0.75                   | 500            | 2000                | .515<br>13.1 | .210<br>5.3 |             |             | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 |             | .125<br>3.2 | .093<br>2.36 |             |             |
| 11  | 001-2004-040519 | B-3-2B   | 0.70                   | 500            | 2000                | .500<br>12.7 | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 | .080<br>2.0 | .125<br>3.2 | .093<br>2.36 |             |             |
| 11  | 011-2004-040519 | B8       | 0.50                   | 1000           | 3000                | .500<br>12.7 | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 | .080<br>2.0 | .172<br>4.4 | .148<br>3.76 |             |             |
| 11  | 011-2023-040519 | B9       | 0.65                   | 1200           | 3500                | .609<br>15.5 | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .093<br>2.4 | .125<br>3.2 | .040<br>1.0 | .080<br>2.0 | .172<br>4.4 | .148<br>3.76 |             |             |

\* +.002(0.05) -.000(0.00)

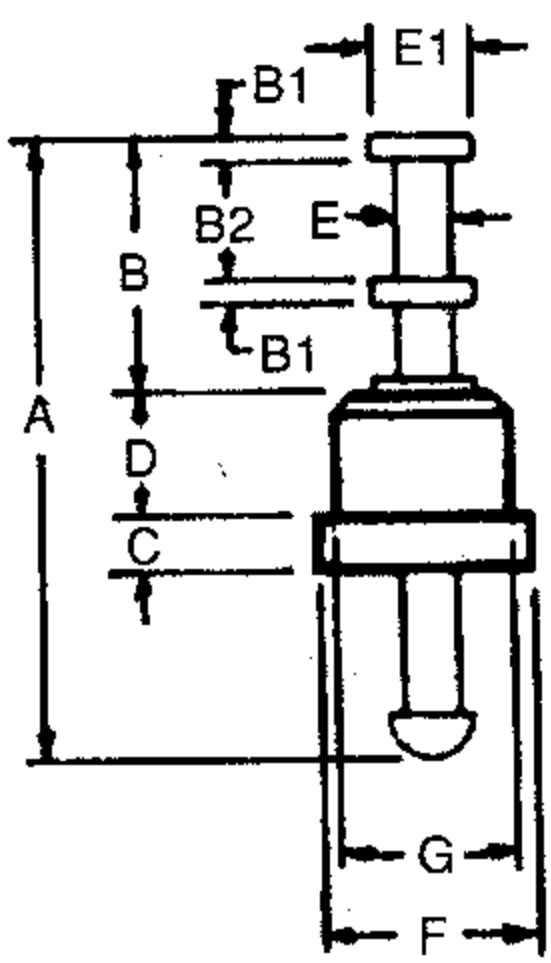


Fig 12

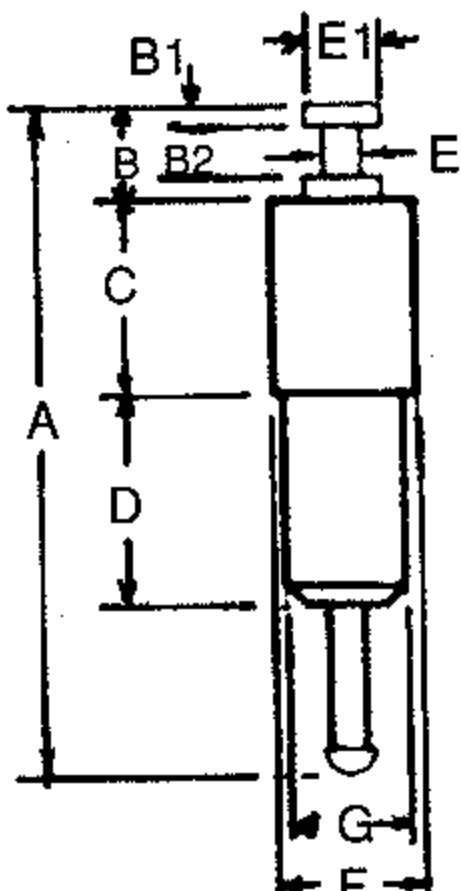


Fig 13

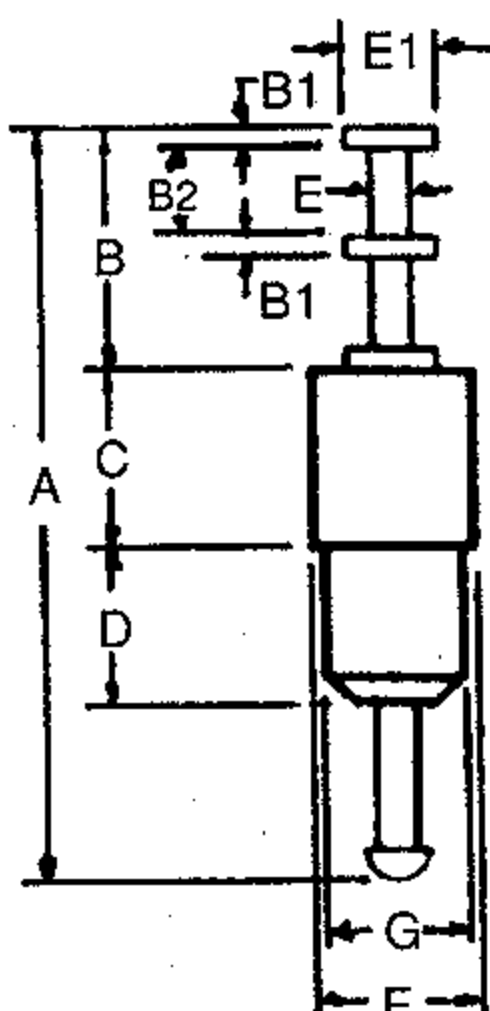


Fig 14

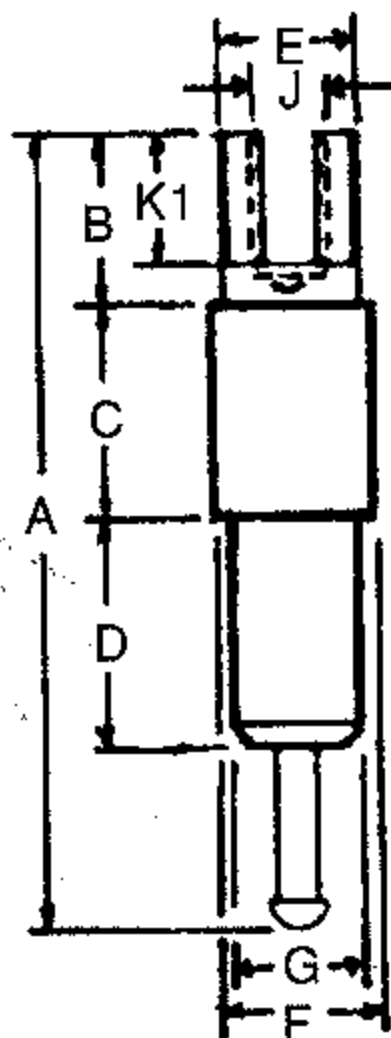


Fig 15

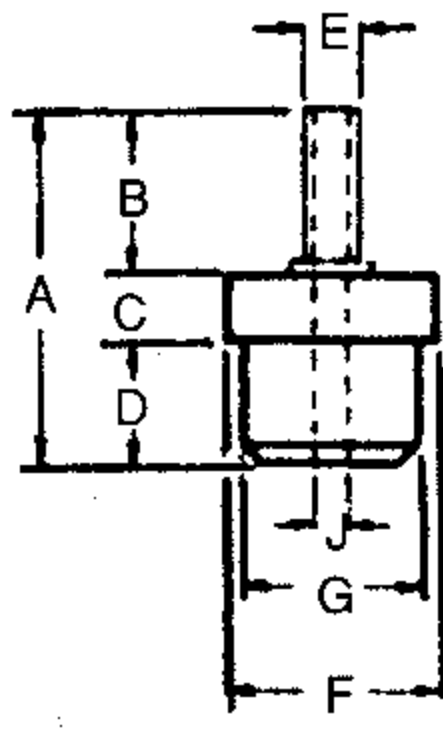


Fig 16

| Fig | Part No         | Tool No. | Approx Capacitance mmf | V RMS 50Hz     |                     | A            | B           | B1          | B2          | C           | D           | E Dia       | E1 Dia      | F Dia       | G * Dia      | J           | K1          |
|-----|-----------------|----------|------------------------|----------------|---------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
|     |                 |          |                        | Nominal Rating | Flashover Sea Level |              |             |             |             |             |             |             |             |             |              |             |             |
| 12  | 012-2000-040519 | B8       | 0.50                   | 1000           | 3000                | .500<br>12.7 | .210<br>5.3 | .020<br>0.5 | .100<br>2.5 | .040<br>1.0 | .100<br>2.5 | .040<br>1.0 | .080<br>2.0 | .172<br>4.4 | .148<br>3.76 |             |             |
| 13  | 011-2049-040519 | B10      | 0.75                   | 1700           | 4500                | .540<br>13.7 | .133<br>3.4 | .020<br>0.5 | .093<br>2.4 | .063<br>1.6 | .171<br>4.3 | .046<br>1.2 | .093<br>2.4 | .187<br>4.8 | .171<br>4.34 |             |             |
| 13  | 011-2062-040519 | B13      | 0.70                   | 2200           | 5500                | .740<br>18.8 | .125<br>3.2 | .031<br>0.8 | .062<br>1.6 | .187<br>4.8 | .212<br>5.4 | .050<br>1.3 | .093<br>2.4 | .187<br>4.8 | .171<br>4.34 |             |             |
| 15  | 011-3014-040519 | B11      | 0.80                   | 2000           | 5000                | .821<br>20.9 | .203<br>5.2 |             |             | .187<br>4.8 | .212<br>5.4 | .148<br>3.8 |             | .187<br>4.8 | .171<br>4.34 | .078<br>2.0 | .156<br>4.0 |
| 14  | 011-2064-040519 | B13-3B   | 0.80                   | 2000           | 5000                | .836<br>21.2 | .250<br>6.4 | .020<br>0.5 | .093<br>2.4 | .187<br>4.8 | .212<br>5.4 | .050<br>1.3 | .093<br>2.4 | .187<br>4.8 | .171<br>4.34 |             |             |
| 13  | 011-2072-040519 | B12-3    | 0.70                   | 3000           | 7000                | .865<br>22.0 | .125<br>3.2 | .031<br>0.8 | .062<br>1.6 | .250<br>6.4 | .275<br>7.0 | .050<br>1.3 | .093<br>2.4 | .187<br>4.8 | .171<br>4.34 |             |             |
| 16  | 001-6033-040519 | B3-1     | 0.40                   | 500            | 2000                | .225<br>5.7  | .125<br>3.2 |             |             | .040<br>1.0 | .060<br>1.5 | .040<br>1.0 |             | .125<br>3.2 | .093<br>2.36 | .030<br>0.3 |             |
| 16  | 011-6015-040519 | B8-13A   | 0.75                   | 750            | 2500                | .367<br>9.3  | .207<br>5.3 |             |             | .050<br>1.3 | .110<br>2.8 | .085<br>2.2 |             | .172<br>4.4 | .148<br>3.76 | .063<br>1.6 |             |

\* +.002(0.05) -.000(0.00)

TEST POINT JACKS

Press-Fit Terminals

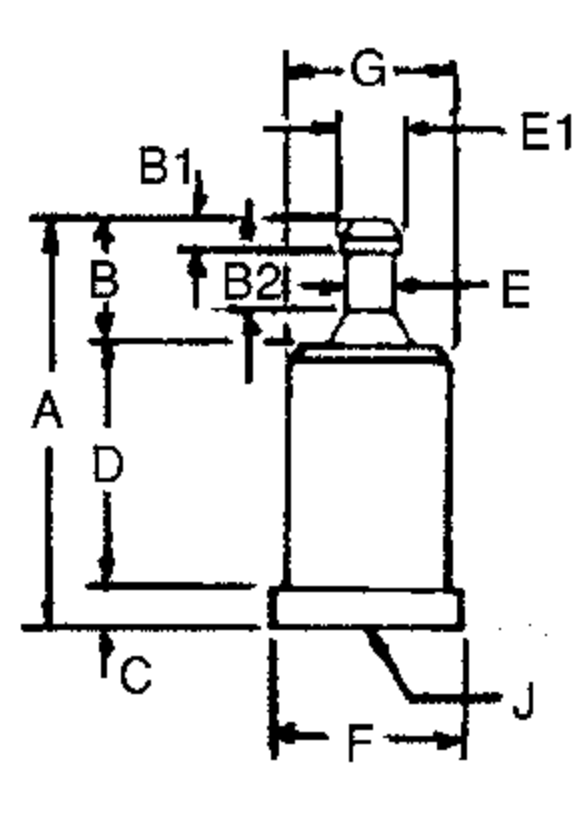


Fig 17

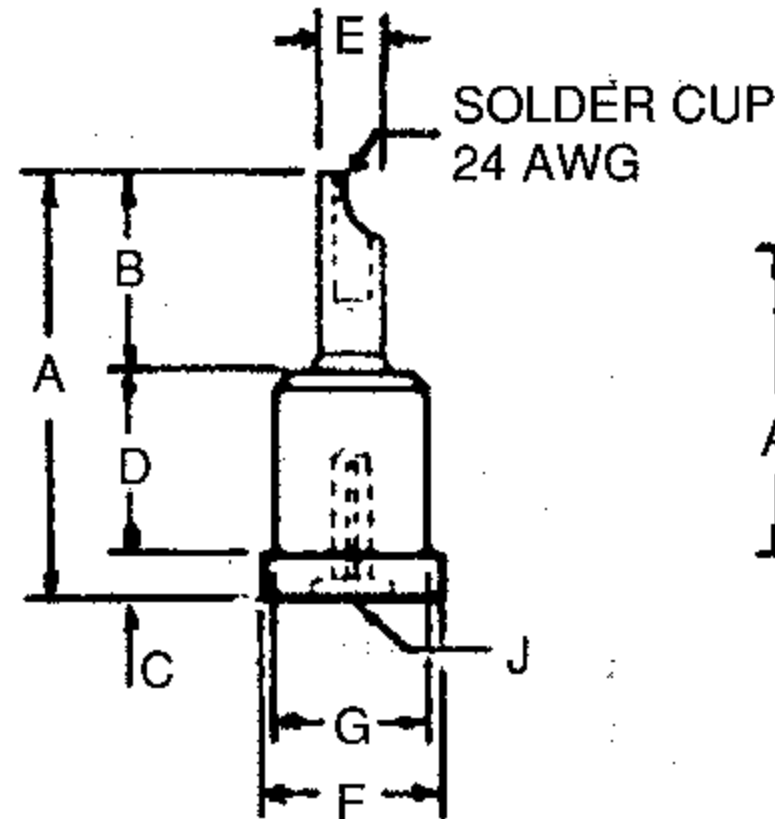


Fig 18

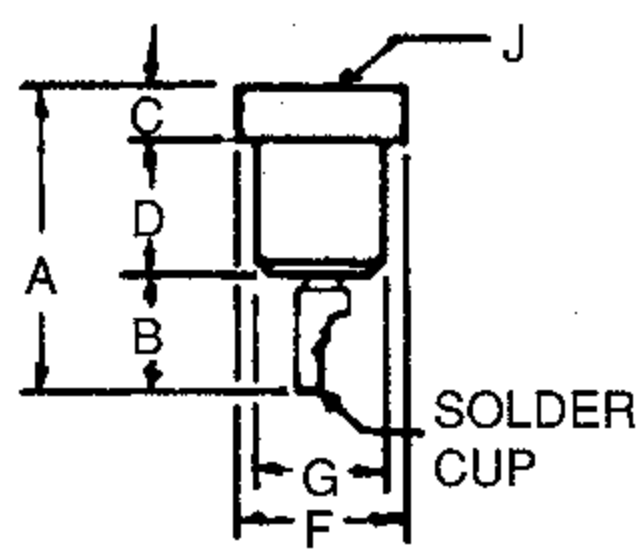


Fig 19

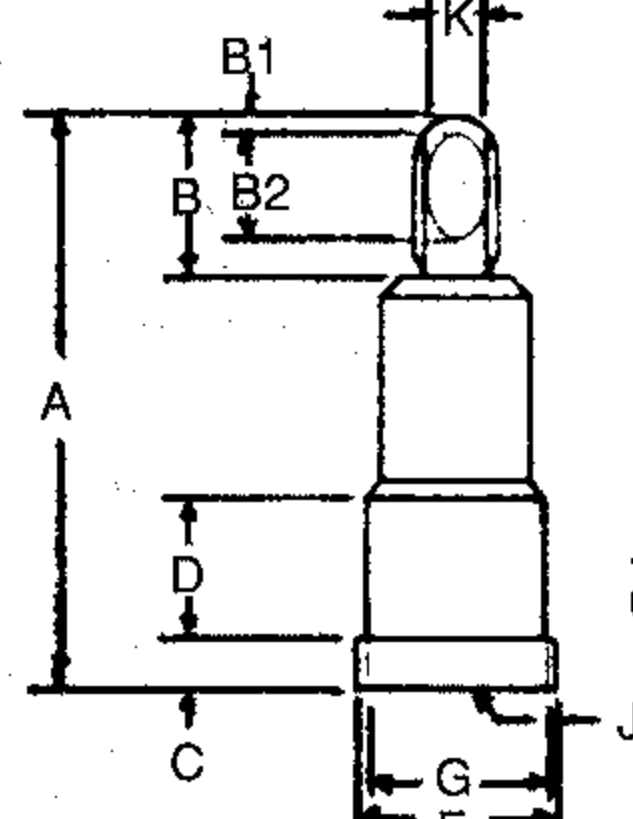


Fig 20

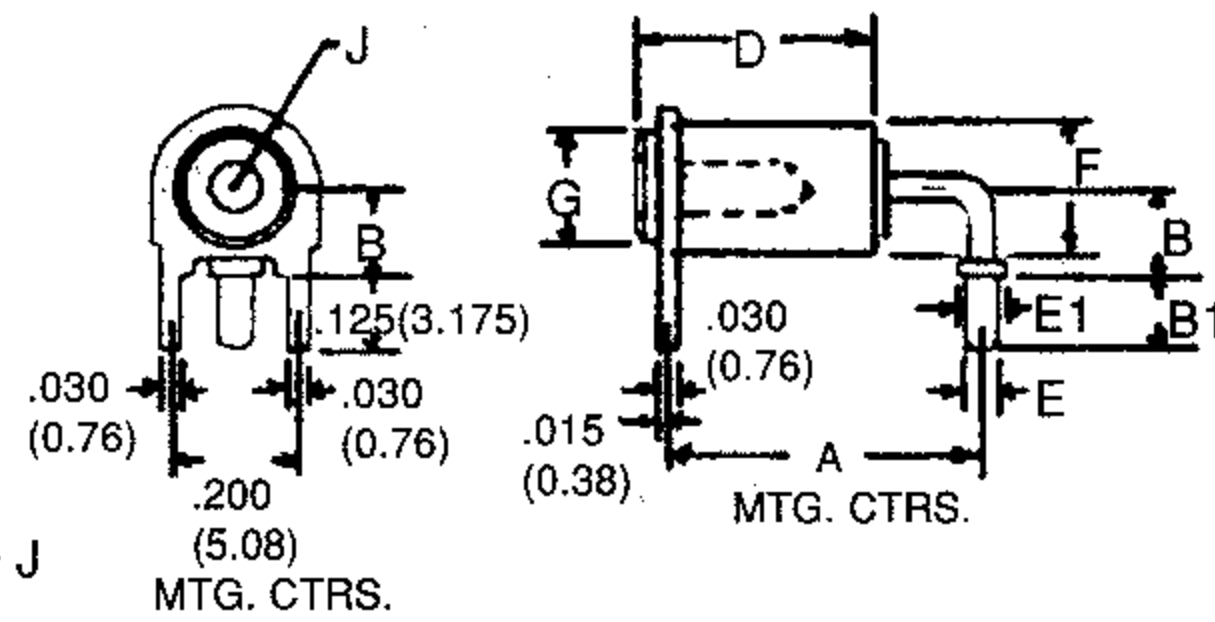


Fig 21

| Fig  | Part No.        | Tool No. | Approx Capacitance mmf | V RMS 50Hz     |                     | A            | B           | B1          | B2          | C           | D           | E Dia       | E1 Dia      | F Dia       | G * Dia      | J Probe Dia  | J1 Probe Lgth | K           |
|------|-----------------|----------|------------------------|----------------|---------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|---------------|-------------|
|      |                 |          |                        | Nominal Rating | Flashover Sea Level |              |             |             |             |             |             |             |             |             |              |              |               |             |
| 17   | 016-2000-040209 | S2       | 0.60                   | 1000           | 3000                | .437<br>11.1 | .120<br>3.0 | .037<br>0.9 | .053<br>1.3 | .046<br>1.2 | .271<br>6.9 | .054<br>1.4 | .074<br>1.9 | .218<br>5.5 | .185<br>4.70 | .080<br>2.03 | .195<br>5.0   |             |
| 17   | 016-2008-040209 | S5       | 0.35                   | 1000           | 3000                | .345<br>8.8  | .120<br>3.0 | .023<br>0.6 | .077<br>2.0 | .046<br>1.2 | .179<br>4.5 | .040<br>1.0 | .060<br>1.5 | .172<br>4.4 | .148<br>3.76 | .040<br>1.02 | .140<br>3.6   |             |
| 18   | 016-6001-040209 | S17      | 0.45                   | 1000           | 3000                | .408<br>10.4 | .187<br>4.7 |             |             | .046<br>1.2 | .175<br>4.4 | .060<br>1.5 |             | .172<br>4.4 | .148<br>3.76 | .040<br>1.02 | .135<br>3.4   |             |
| 21   | 026-4005-040209 |          | 0.50                   | 1200           | 3500                | .400<br>10.2 | .140<br>3.6 | .125<br>3.2 |             |             | .378<br>9.6 | .050<br>1.3 | .080<br>2.0 | .218<br>5.5 | .187<br>4.80 | .080<br>2.03 | .250<br>6.4   |             |
| § 19 | 016-6600-040209 | S17      | 0.50                   | 1000           | 3000                | .359<br>9.1  | .140<br>3.6 |             |             | .065<br>1.7 | .154<br>3.9 |             |             | .187<br>4.7 | .148<br>3.76 | .040<br>1.02 | .125<br>3.2   |             |
| 20   | 016-8010-040209 | S38      | 0.75                   | 1000           | 3000                | .637<br>16.2 | .171<br>4.3 | .028<br>0.7 | .116<br>2.9 | .050<br>1.3 | .175<br>4.4 |             |             | .218<br>5.5 | .185<br>4.70 | .080<br>2.03 | .312<br>7.9   | .055<br>1.4 |

\* +.002(0.05) -.000(0.00)

PROBES

Press-Fit Terminals

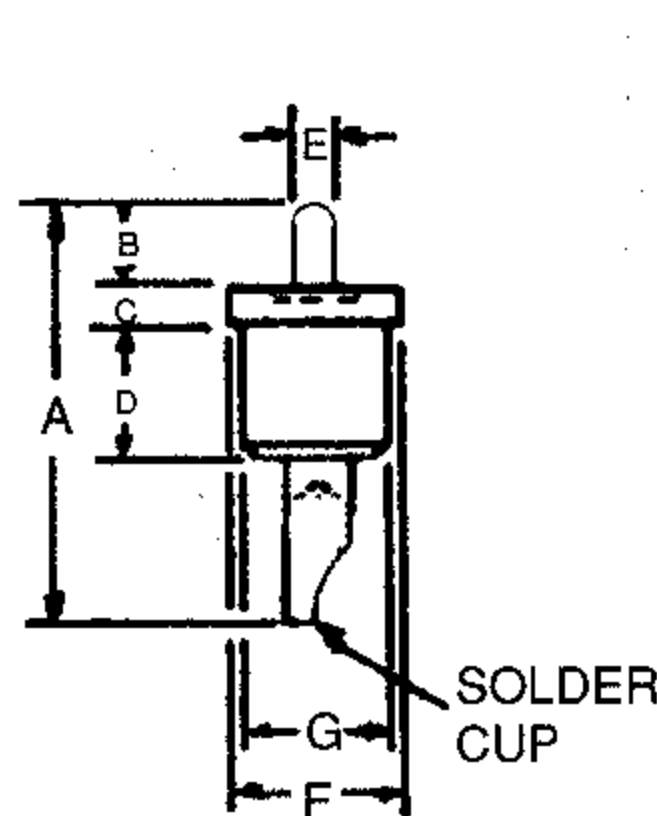


Fig 22

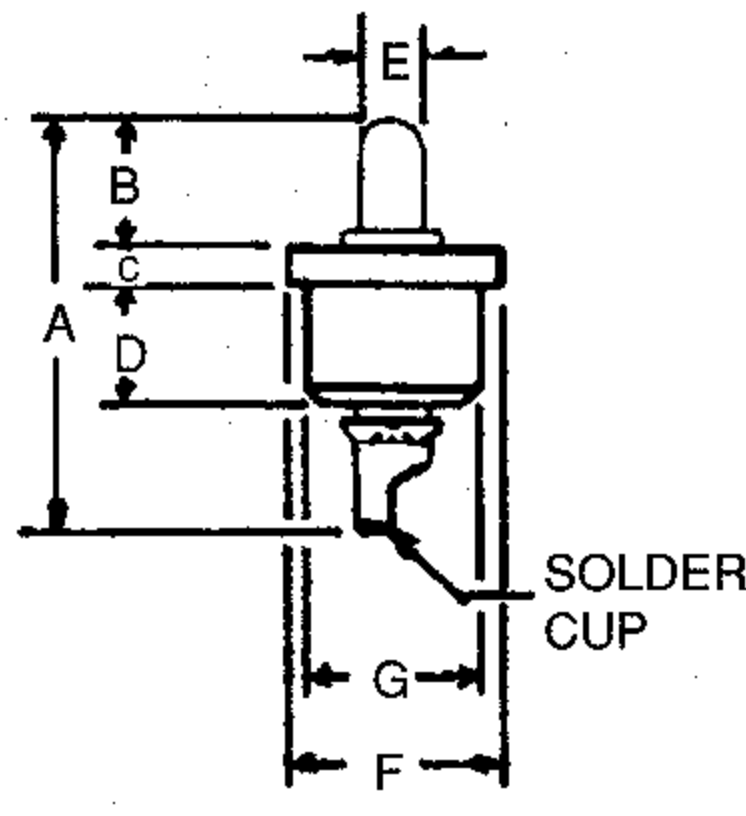


Fig 23

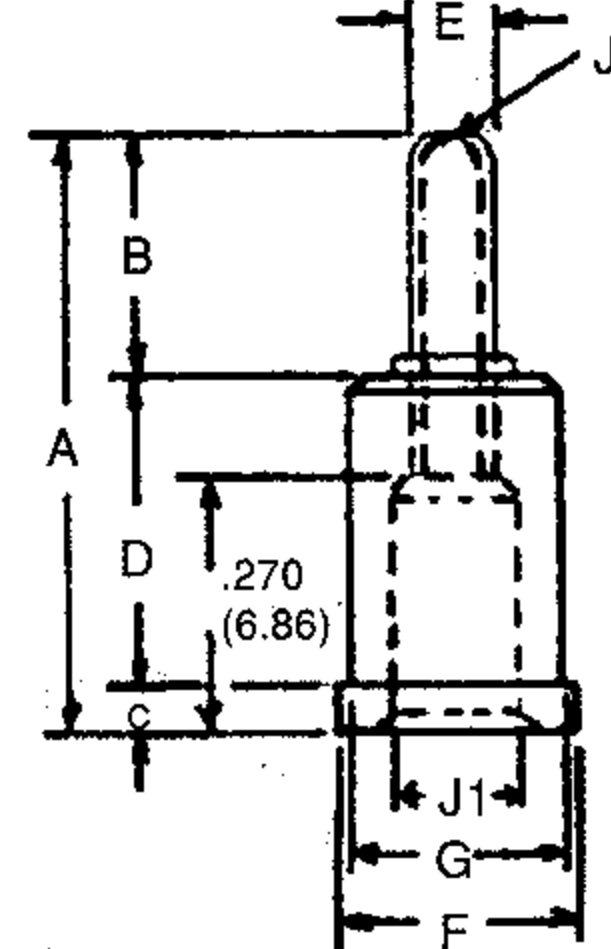


Fig 24

| Fig  | Part No.        | Tool No. | Approx Capacitance mmf | V RMS 50Hz     |                     | A            | B           | C           | D           | E Dia        | F Dia       | G * Dia      | J Dia       | J1 Dia      |
|------|-----------------|----------|------------------------|----------------|---------------------|--------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|-------------|
|      |                 |          |                        | Nominal Rating | Flashover Sea Level |              |             |             |             |              |             |              |             |             |
| 22   | 011-4000-040209 | B8-14    | 0.70                   | 1000           | 3000                | .538<br>13.7 | .130<br>3.3 | .046<br>1.2 | .175<br>4.4 | .040<br>1.02 | .172<br>4.4 | .148<br>3.76 |             |             |
| 23   | 021-4006-040209 | B-22X1   | 0.20                   | 3400           | 7800                | .645<br>16.4 | .270<br>6.9 | .050<br>1.3 | .325<br>8.3 | .080<br>2.03 | .250<br>6.4 | .218<br>5.54 | .062<br>1.6 | .128<br>3.3 |
| § 24 | 011-4600-040209 | B-13-3   | 0.55                   | 1000           | 3000                | .407<br>10.3 | .125<br>3.2 | .065<br>1.7 | .090<br>2.3 | .040<br>1.02 | .187<br>4.7 | .148<br>3.76 |             |             |

\* +.002(0.05) -.000(0.00)

§ Floating Contact