## **Capacitor Hardware**

### **Type VR Vertical Mounting Clamp**



|                   | Ca          | Catalog Part Number |             |                              | Dimensions   |            |  |
|-------------------|-------------|---------------------|-------------|------------------------------|--------------|------------|--|
| Diameter          |             | Unassembled         | Assembled   |                              |              |            |  |
| of Part to be     | Without     | Screw & Nut         | with        | Α                            | В            | С          |  |
| Mounted           | Screw & Nut | Included            | Screw & Nut |                              |              |            |  |
| 1" to 1-1/16      | VR1B        | VR1                 | VR1A        | 1"                           | 1-7/16"      | 1-7/8*"    |  |
| 1-3/8" to 1-7/16  | VR3B        | VR3                 | VR3A        | 1-3/8"                       | 1-25/32"     | 2-7/32"    |  |
| 1-1/2" to 1-9/16  | VR4B        | VR4                 | VR4A        | 1-1/2"                       | 1-15/16"     | 2-11/32"   |  |
| 1-3/4" to 1-13/16 | VR6B        | VR6                 | VR6A        | 1-3/4"                       | 2-1/4"       | 2-9/16"    |  |
| 2" to 2-1/16      | VR8B        | VR8                 | VR8A        | 2"                           | 2-1/2"       | 2-13/16"   |  |
| 2-1/2" to 2-9/16  | VR10B       | VR10                | VR10A       | 2-1/2"                       | 3"           | 3-5/16"    |  |
| 3" to 3-1/8       | VR12B       | VR12                | VR12A       | 3"                           | 3-7/16"      | 3-13/16"   |  |
| Screw             | VRSCREW     | _                   | _           | 9/16" long 6-32 thread NC-2A |              |            |  |
| Nut               | VRNUT       | _                   | _           | Standar                      | d hex nut to | fit screws |  |

0.176" x 0.281"

CDE VR mounting clamps may be used to mount any cylindrical capacitor with a 1" to 3" diameter that is to be mounted in a vertical position. Material is 1010 CRS, commercial grade #4 temper ASI scale. Parts are finished with .0001 (nominal) zinc chromate plating. Use for mounting CG types, PSU, SF and MPF types. Material thickness is .035"

VR1, 3 & 4 2 Holes .1561" Dia.

VR6, 8,10 & 12 B Mtng ±0.03" C ±0.01" ±0.016 (3 places). 0.3<sub>44"</sub>±0.0<sub>16"</sub> 0.188"±0.016" 120 ° ±3 ° (3 Places)

B Mtng ±0.03" Ø 0.201" ±0.005"

0.375"±0.016" 1.125" ±0.016" 0.075" ±0.016" 0.035 -0.500" ±0.016"

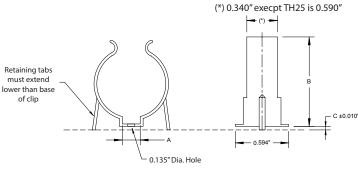
Type TH Horizontal Mounting Clip



|                    | Dimensions in Inches |       |       |       |  |  |  |
|--------------------|----------------------|-------|-------|-------|--|--|--|
|                    | Nominal Dia.         |       |       |       |  |  |  |
| Catalog            | of Part to be        |       |       |       |  |  |  |
| <b>Part Number</b> | Mounted              | Α     | В     | C     |  |  |  |
| TH17               | 0.625                | 0.312 | 0.720 | 0.015 |  |  |  |
| TH25               | 1.375                | 0.312 | 1.500 | 0.030 |  |  |  |

**Material Thickness** TH17 is 0.016", TH25 is 0.025".

Material: 1050 high carbon steel with phosphate and oil finish. TH25 is 1060.



These clips, though designed for capacitors, have varied applications to retain many cylindrical components. They are used extensively in the electrical and electronic industries to hold spindles, condensers, capacitors, tubes, rods and conduit. Clips have phosphate and oil finish.

A ±0.016"

#### ACR15KT Motor Start Resistor Kit



15K Ohm 2 watt bleeder resistors for AC motor start applications. Saves relay switch contacts and capacitor, particularly in capacitor start applications. 1/4" quick connect terminals eliminate need for soldering.

#### ACR15K:

Pack of 10, 15K Ohm 2 watt bleeder resistor without guick connect terminals.

220K Ohm 1 watt bleeder resistors for AC motor run applications. Saves relay switch contacts and capacitor, particularly in capacitor run applications. 1/4" quick connect terminals eliminate need for soldering.

#### ACR220K:

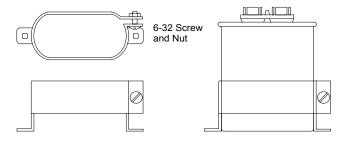
Pack of 10, 220K Ohm 1 watt bleeder resistor without guick connect terminals.

# **Capacitor Hardware**

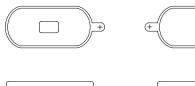
### **Oval Capacitor Hardware**

#### **Mounting Brackets #32107**

| Case | Case Code |         |  |
|------|-----------|---------|--|
| 32   | Α         | 32107-1 |  |
| 37   | С         | 32107-2 |  |
| 38   | D         | 32107-3 |  |



# Insulating Terminal Boots UL Approved Material 44603 or OC1 32108-2

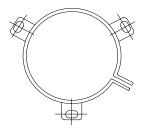


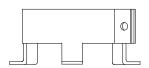


### **Round Capacitor Hardware**

3 Footed Round Mounting Bracket

| Case | Bracket |       |
|------|---------|-------|
| 21   | Р       | VR6B  |
| 23   | S       | VR8B  |
| 24   | Т       | VR10B |





#### **Wrap Around Bracket**

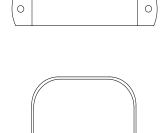


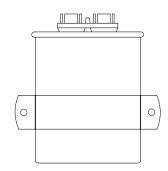
| Case | Code | Bracket |
|------|------|---------|
| 21   | Р    | RB175   |
| 23   | S    | RB200   |
| 24   | Т    | RB250   |
|      |      |         |

#### **Wrap Around Bracket**

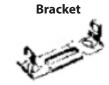


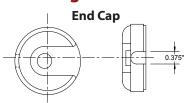
| Case | Code | Bracket    | t   |  |  |
|------|------|------------|-----|--|--|
| 32   | Α    | 30393-5 OB |     |  |  |
| 37   | С    | 30393-9    | OB4 |  |  |
| 38   | D    | OB3        | OB3 |  |  |





### **Motor Start Mounting Hardware**





| Case | Case Dimensions |       | Down | Up    | Optional |
|------|-----------------|-------|------|-------|----------|
| Code | (Inc            | hes)  | Wire | Wire  | Mounting |
|      | D L             |       | Сар  | Cap   | Bracket  |
| 1    | 1.438           | 2.750 | PL3  | PLA3  | HB2      |
| 2    | 1.438           | 3.375 | PL3  | PLA3  | HB4      |
| 3    | 1.438           | 4.375 | PL3  | PLA3  | HB8      |
| 4    | 1.813           | 3.375 | PL6  | PLA6  | HB4      |
| 5    | 1.813           | 4.375 | PL6  | PLA6  | HB8      |
| 6    | 2.063           | 3.375 | PL8  | PLA8  | HB4      |
| 7    | 2.063           | 4.375 | PL8  | PLA8  | HB8      |
| 8    | 2.563           | 4.375 | PL10 | PLA10 | HB8      |

Order both endcap and bracket for mounting

### Screw-Terminal, Computer-Grade Capacitor, Mounting Hardware

Figure 1

Figure 2

Figure 3

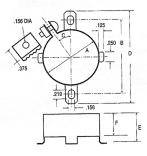
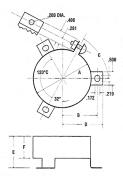
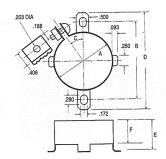
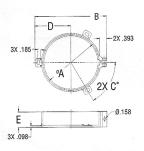


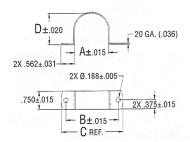
Figure 4





### **Clamp Dimensions**





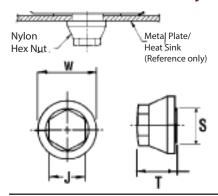
| Clamp     | Dimensions in Inches |       |       |       |  |  |  |  |  |
|-----------|----------------------|-------|-------|-------|--|--|--|--|--|
| Number    | Α                    | В     | С     | D     |  |  |  |  |  |
| 125562-01 | 1.375                | 2.125 | 2.500 | 1.281 |  |  |  |  |  |
| 125562-05 | 1.750                | 2.500 | 2.875 | 1.656 |  |  |  |  |  |
| 125562-02 | 2.000                | 2.750 | 3.125 | 1.906 |  |  |  |  |  |
| 125562-04 | 2.500                | 3.250 | 3.625 | 2.406 |  |  |  |  |  |
| 125562-03 | 3.000                | 3.750 | 4.125 | 2.906 |  |  |  |  |  |
| 125562-06 | 3.500                | 4.250 | 4.625 | 3.481 |  |  |  |  |  |

### **Bracket Dimensions**

| Dimensions in Inches |            |       |       |      |       |       |      | Dimens | sions i | n Millim | eters  |       |       |
|----------------------|------------|-------|-------|------|-------|-------|------|--------|---------|----------|--------|-------|-------|
| Figure               | Bracket    | Α     | В     | С    | D     | E     | F    | Α      | В       | С        | D      | E     | F     |
|                      | Number     |       |       |      |       |       |      |        |         |          |        |       |       |
| 1                    | 125565-06* | 1.375 | 1.813 | 30 ° | 2.313 | .750  | .563 | 34.93  | 46.04   | 30°      | 58.74  | 19.05 | 14.30 |
| 1                    | 125565-15* | 1.750 | 2.188 | 30°  | 2.625 | .750  | .560 | 44.45  | 55.56   | 30°      | 66.68  | 19.05 | 14.22 |
| 2                    | 125565-09* | 2.000 | 1.250 | 75°  | 1.438 | 1.125 | .750 | 50.80  | 31.75   | 75°      | 36.51  | 28.58 | 19.05 |
| 3                    | 125565-05  | 2.000 | 2.563 | 30 ° | 2.938 | 1.125 | .750 | 50.80  | 65.09   | 30°      | 76.41  | 28.58 | 19.05 |
| 2                    | 125565-14* | 2.500 | 1.500 | 75°  | 1.688 | 1.125 | .750 | 63.50  | 38.10   | 75°      | 42.86  | 28.58 | 19.05 |
| 3                    | 125565-10  | 2.500 | 3.000 | 30°  | 3.438 | 1.125 | .750 | 63.50  | 76.20   | 30°      | 87.31  | 28.58 | 19.05 |
| 2                    | 125565-11* | 3.000 | 1.750 | 75°  | 1.938 | 1.125 | .750 | 76.20  | 44.45   | 75°      | 49.21  | 28.58 | 19.05 |
| 3                    | 125565-01  | 3.000 | 3.500 | 30°  | 3.938 | 1.125 | .750 | 76.20  | 88.90   | 30°      | 100.01 | 28.58 | 19.05 |
| 4                    | 125309-01  | 3.500 | 4.488 | 60°  | 2.224 | .984  | _    | 90.00  | 114.00  | 60°      | 4.70   | 25.00 | _     |

Note: All mounting brackets and clamps except Figure 4 are zinc plated. Figure 4 is a black nylon. When mounting capacitors there is no need to wrap capacitors with protective wrapping before installing mounting clamp. \*Stock bracket

# **Nylon Nuts for Insulated Stud Mounting**



|                          | For Stud      | Standoff           | Nut                | Nut                 | Hex            | Mounting              |                           |                        |  |
|--------------------------|---------------|--------------------|--------------------|---------------------|----------------|-----------------------|---------------------------|------------------------|--|
| Nylon Nut<br>Part Number | Diameter (mm) | Diameter<br>S (mm) | Diameter<br>W (mm) | Elevation<br>T (mm) | Head<br>J (mm) | Min. Hole<br>Diameter | Max. Chassis<br>Thickness | Max. Tightening Torque |  |
|                          |               |                    |                    |                     |                | (mm)                  | (mm)                      | in. lbs.               |  |
| M8S17W25                 | M8            | 17                 | 25                 | 15                  | 17             | 17.5                  | 5                         | 25                     |  |
| M12S22W30                | M12           | 22                 | 30                 | 18                  | 19             | 22.5                  | 5                         | 75                     |  |
| M12S30W38                | M12           | 30                 | 38                 | 18                  | 19             | 30.5                  | 5                         | 75                     |  |

## **Capacitor Hardware**

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