

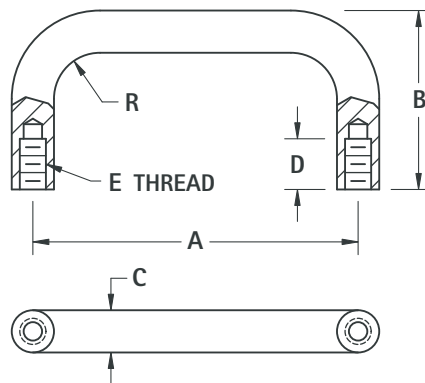


# THE DATASHEET OF 524

## ROUND INSTRUMENTATION HANDLES



### CHOICE of BRASS or ALUMINUM



#### MATERIAL:

**Brass:** ASTM-B16, Nickel Plate

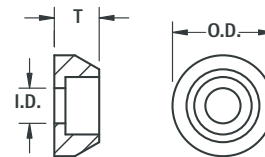
**Aluminum:** QQ-A-200, Alloy 6061-T6,  
Black Anodized per MIL-A-8625

| BRASS<br>CAT. NO. | ALUMINUM<br>CAT. NO. | A<br>MTG. CTRS. | B<br>HEIGHT  | D<br>DEPTH  | E<br>THREAD | R<br>RADIUS | C<br>DIAMETER     |
|-------------------|----------------------|-----------------|--------------|-------------|-------------|-------------|-------------------|
| 7140              | 7170                 | 1.250 (31.8)    | 1.000 (25.4) | .375 (9.5)  | 4-40        | .156 (4.0)  | <b>.156 (4.0)</b> |
| 7141              | 7171                 | 2.000 (50.8)    | 1.000 (25.4) |             |             |             |                   |
| 7142              | 7172                 | 3.000 (76.2)    | 1.000 (25.4) |             |             |             |                   |
| 9100              | 9110                 | 1.250 (31.8)    | .625 (15.9)  | .156 (4.0)  | 4-40        | .187 (4.7)  | <b>.187 (4.7)</b> |
| 9101              | 9111                 | 1.500 (38.1)    | .625 (15.9)  |             |             |             |                   |
| 9104              | 9114                 | 1.500 (38.1)    | .750 (19.1)  |             |             |             |                   |
| 9102              | 9112                 | 1.750 (44.5)    | .625 (15.9)  |             |             |             |                   |
| 9105              | 9115                 | 1.750 (44.5)    | .750 (19.1)  |             |             |             |                   |
| 9103              | 9113                 | 2.000 (50.8)    | .625 (15.9)  |             |             |             |                   |
| 9106              | 9116                 | 1.250 (31.8)    | 1.000 (25.4) | .250 (6.4)  | 6-32        | .187 (4.7)  | <b>.187 (4.7)</b> |
| 9107              | 9117                 | 1.500 (38.1)    | 1.000 (25.4) |             |             |             |                   |
| 9108              | 9118                 | 2.000 (50.8)    | 1.000 (25.4) |             |             |             |                   |
| 9109              | 9119                 | 3.000 (76.2)    | 1.000 (25.4) |             |             |             |                   |
| 7143              | 7173                 | 3.000 (76.2)    | 1.500 (38.1) | .562 (14.3) | 8-32        | .250 (6.4)  | <b>.250 (6.4)</b> |
| 485               | 515                  | 3.000 (76.2)    | 1.750 (44.5) |             |             |             |                   |
| 480               | 510                  | 3.500 (88.9)    | 1.500 (38.1) |             |             |             |                   |
| 7144              | 7174                 | 4.000 (101.6)   | 1.500 (38.1) |             |             |             |                   |
| 486               | 516                  | 4.000 (101.6)   | 1.750 (44.5) |             |             |             |                   |
| 481               | 511                  | 4.500 (114.3)   | 1.500 (38.1) |             |             |             |                   |
| 487               | 517                  | 4.500 (114.3)   | 1.750 (44.5) |             |             |             |                   |
| 482               | 512                  | 5.000 (127.0)   | 1.500 (38.1) |             |             |             |                   |
| 488               | 518                  | 5.000 (127.0)   | 1.750 (44.5) |             |             |             |                   |
| 483               | 513                  | 5.500 (139.7)   | 1.500 (38.1) |             |             |             |                   |
| 484               | 514                  | 6.000 (152.4)   | 1.500 (38.1) | .562 (14.3) | 10-32       | .312 (7.9)  | <b>.312 (7.9)</b> |
| 489               | 519                  | 6.000 (152.4)   | 1.750 (44.5) |             |             |             |                   |
| 7145              | 7175                 | 3.000 (76.2)    | 1.500 (38.1) |             |             |             |                   |
| 7146              | 7176                 | 4.000 (101.6)   | 1.500 (38.1) |             |             |             |                   |
| 493               | 523                  | 4.000 (101.6)   | 1.750 (44.5) |             |             |             |                   |
| 490               | 520                  | 4.500 (114.3)   | 1.500 (38.1) |             |             |             |                   |
| 494               | 524                  | 4.500 (114.3)   | 1.750 (44.5) |             |             |             |                   |
| 7147              | 7177                 | 4.562 (115.9)   | 1.500 (38.1) |             |             |             |                   |
| 491               | 521                  | 5.000 (127.0)   | 1.500 (38.1) |             |             |             |                   |
| 495               | 525                  | 5.000 (127.0)   | 1.750 (44.5) |             |             |             |                   |
| 492               | 522                  | 5.500 (139.7)   | 1.500 (38.1) | .375 (9.5)  | 10-32       | .375 (9.5)  | <b>.375 (9.5)</b> |
| 7148              | 7178                 | 6.000 (152.4)   | 1.500 (38.1) |             |             |             |                   |
| 496               | 526                  | 6.000 (152.4)   | 1.750 (44.5) |             |             |             |                   |
| 7149              | 7179                 | 6.437 (163.5)   | 1.750 (44.5) | .375 (9.5)  | 10-32       | .375 (9.5)  | <b>.375 (9.5)</b> |
| 7150              | 7180                 | 4.000 (101.6)   | 1.375 (34.9) |             |             |             |                   |
| 7151              | 7181                 | 6.000 (152.4)   | 1.375 (34.9) |             |             |             |                   |

## FERRULES

### FERRULES FOR ROUND HANDLES

- To protect and support panel surface



#### MATERIAL:

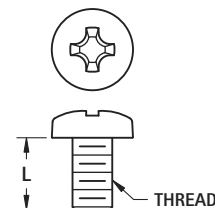
**Brass:** ASTM-B16, Nickel Plate

**Aluminum:** QQ-A-200, Alloy 6061-T6, Black Anodized per MIL-A-8625

| BRASS<br>CAT. NO. | ALUMINUM<br>CAT. NO. | FOR<br>THREAD | FOR<br>DIAMETER | O.D.        | I.D.       | T          |
|-------------------|----------------------|---------------|-----------------|-------------|------------|------------|
| 7162              | 7192                 | 4-40          | .156 (4.0)      | .250 (6.4)  | .120 (3.0) | .125 (3.2) |
| 9120              | 9122                 | 4-40          | .187 (4.7)      | .312 (7.9)  | .120 (3.0) | .125 (3.2) |
| 9121              | 9123                 | 6-32          | .187 (4.7)      | .312 (7.9)  | .144 (3.7) | .125 (3.2) |
| 7163              | 7193                 | 8-32          | .250 (6.4)      | .375 (9.5)  | .170 (4.3) | .187 (4.7) |
| 7164              | 7194                 | 10-32         | .312 (7.9)      | .562 (14.3) | .196 (5.0) | .250 (6.4) |

## HANDLE MOUNTING SCREWS

- Phillips drive pan head machine screws



#### MATERIAL: Stainless Steel

| CAT. NO. | L LENGTH    | THREAD | DRIVER SIZE |
|----------|-------------|--------|-------------|
| 9900     | .250 (6.4)  | 4-40   | 1           |
| 9901     | .375 (9.5)  |        |             |
| 9902     | .500 (12.7) |        |             |
| 9903     | .250 (6.4)  | 6-32   | 2           |
| 9904     | .375 (9.5)  |        |             |
| 9905     | .500 (12.7) |        |             |
| 9906     | .375 (9.5)  | 8-32   | 2           |
| 9907     | .500 (12.7) |        |             |
| 9908     | .750 (19.1) |        |             |
| 9909     | .375 (9.5)  | 10-32  | 2           |
| 9910     | .500 (12.7) |        |             |
| 9911     | .750 (19.1) |        |             |

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