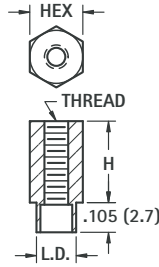
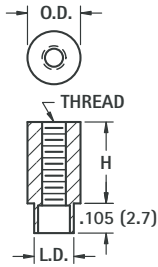


## SWAGE THREADED STANDOFFS

ROUND

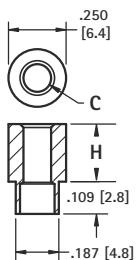
HEX



**MATERIAL:** Brass, ASTM-B16, Nickel Plate (QQ-N-290)  
For .062 (1.52) thick boards

| ROUND<br>CAT. NO.                    | H<br>HEIGHT ABOVE PANEL | L.D. SHANK<br>DIAMETER | HEX<br>CAT. NO. |
|--------------------------------------|-------------------------|------------------------|-----------------|
| <b>2-56 THREAD × .156 (4.0) O.D.</b> |                         |                        |                 |
| 1589-2                               | .125 (3.2)              | .125 (3.2)             | 1731-2          |
| 1590-2                               | .187 (4.7)              | .125 (3.2)             | 1734-2          |
| 1591-2                               | .250 (6.4)              | .125 (3.2)             | 1740-2          |
| 1596-2                               | .375 (9.5)              | .125 (3.2)             | 1743-2          |
| <b>4-40 THREAD × .187 (4.7) O.D.</b> |                         |                        |                 |
| 2260-2                               | .125 (3.2)              | .139 (3.5)             | 2270-2          |
| 2261-2                               | .187 (4.7)              | .139 (3.5)             | 2271-2          |
| 2262-2                               | .250 (6.4)              | .139 (3.5)             | 2272-2          |
| 2263-2                               | .375 (9.5)              | .139 (3.5)             | 2273-2          |
| 2264-2                               | .500 (12.7)             | .139 (3.5)             | 2274-2          |
| <b>4-40 THREAD × .250 (6.4) O.D.</b> |                         |                        |                 |
| 1560A                                | .125 (3.2)              | .187 (4.7)             | 1653-2          |
| 1790-2                               | .187 (4.7)              | .187 (4.7)             | 1746-2          |
| 1650-2                               | .250 (6.4)              | .187 (4.7)             | 1627-2          |
| 1651-2                               | .375 (9.5)              | .187 (4.7)             | 1628-2          |
| 1623-2                               | .500 (12.7)             | .187 (4.7)             | 1629-2          |
| 1624-2                               | .625 (15.9)             | .187 (4.7)             | 1654-2          |
| 1625-2                               | .750 (19.1)             | .187 (4.7)             | 1655-2          |
| 1792-2                               | .875 (22.2)             | .187 (4.7)             | 1749-2          |
| 1652-2                               | 1.000 (25.4)            | .187 (4.7)             | 1630-2          |
| <b>6-32 THREAD × .250 (6.4) O.D.</b> |                         |                        |                 |
| 1560B                                | .125 (3.2)              | .187 (4.7)             | 1620-2          |
| 1612-2                               | .187 (4.7)              | .187 (4.7)             | 1752-2          |
| 1546                                 | .250 (6.4)              | .187 (4.7)             | 1621-2          |
| 1561B                                | .375 (9.5)              | .187 (4.7)             | 1622-2          |
| 1604-2                               | .500 (12.7)             | .187 (4.7)             | 1758-2          |
| 1605-2                               | .625 (15.9)             | .187 (4.7)             | 1759-2          |
| 1608-2                               | .750 (19.1)             | .187 (4.7)             | 1761-2          |
| 1796-2                               | .875 (22.2)             | .187 (4.7)             | 1775-2          |
| 1609-2                               | 1.000 (25.4)            | .187 (4.7)             | 1784-2          |

## SWAGE CLEAR HOLE SPACERS



**MATERIAL:** Brass, ASTM-B16,  
Nickel Plate (QQ-N-290)  
For .062 (1.52) thick boards

| CAT. NO. | H<br>HEIGHT ABOVE PANEL | C<br>HOLE             |
|----------|-------------------------|-----------------------|
| 5058-2   | .125 (3.2)              | .120 (3.0)<br>For # 4 |
| 5060-2   | .250 (6.4)              |                       |
| 5061-2   | .375 (9.5)              |                       |
| 5062-2   | .500 (12.7)             |                       |
| 5059-2   | .125 (3.2)              | .140 (3.5)<br>For # 6 |
| 5063-2   | .250 (6.4)              |                       |
| 5064-2   | .375 (9.5)              |                       |
| 5065-2   | .500 (12.7)             |                       |

## FORCE-FIT STANDOFFS

ROUND

A broaching-type fastener/standoff for installation in panels and circuit boards .060 (1.52) and thicker made of plastic and other non-ductile materials. Available threaded or with clearance holes. Easy to install, presses into punched or drilled holes.

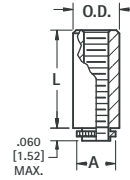
**MATERIAL:** Stainless Steel per ASTM-A581/A582

### MOUNTING HOLES:

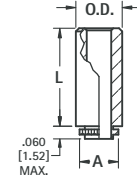
- .147 (3.7) hole for 2-56
- .166 (4.2) hole for 4-40
- .213 (5.4) hole for 6-32

### TOLERANCE ON MOUNTING HOLES:

+ .003 / - .000



Threaded



Clear Hole

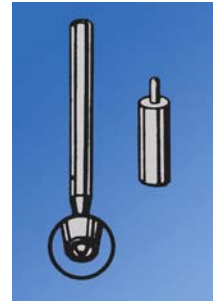
| THREADED |             |            |            |        |
|----------|-------------|------------|------------|--------|
| CAT. NO. | L<br>LENGTH | O.D.       | A          | THREAD |
| 4860     | .065 (1.7)  | .219 (5.6) | .165 (4.2) | 2-56   |
| 4861     | .065 (1.7)  | .219 (5.6) | .184 (4.7) | 4-40   |
| 4862     | .125 (3.2)  | .219 (5.6) | .184 (4.7) |        |
| 4863     | .250 (6.4)  | .219 (5.6) | .184 (4.7) |        |
| 4864     | .375 (9.5)  | .219 (5.6) | .184 (4.7) |        |
| 4865 *   | .500 (12.7) | .219 (5.6) | .184 (4.7) | 6-32   |
| 4866     | .065 (1.7)  | .281 (7.1) | .231 (5.9) |        |
| 4867     | .125 (3.2)  | .281 (7.1) | .231 (5.9) |        |
| 4868     | .250 (6.4)  | .281 (7.1) | .231 (5.9) |        |
| 4869     | .375 (9.5)  | .281 (7.1) | .231 (5.9) |        |
| 4870 *   | .500 (12.7) | .281 (7.1) | .231 (5.9) |        |

\*Thread depth .375 (9.5)

| CLEAR HOLE |             |            |            |                       |
|------------|-------------|------------|------------|-----------------------|
| CAT. NO.   | L<br>LENGTH | O.D.       | A          | HOLE                  |
| 4850       | .065 (1.7)  | .219 (5.6) | .184 (4.7) | .116 (2.9)<br>For # 4 |
| 4851       | .125 (3.2)  | .219 (5.6) | .184 (4.7) |                       |
| 4852       | .250 (6.4)  | .219 (5.6) | .184 (4.7) |                       |
| 4853       | .375 (9.5)  | .219 (5.6) | .184 (4.7) |                       |
| 4854       | .500 (12.7) | .219 (5.6) | .184 (4.7) | .143 (3.6)<br>For # 6 |
| 4855       | .065 (1.7)  | .281 (7.1) | .231 (5.9) |                       |
| 4856       | .125 (3.2)  | .281 (7.1) | .231 (5.9) |                       |
| 4857       | .250 (6.4)  | .281 (7.1) | .231 (5.9) |                       |
| 4858       | .375 (9.5)  | .281 (7.1) | .231 (5.9) |                       |
| 4859       | .500 (12.7) | .281 (7.1) | .231 (5.9) |                       |

## SWAGE STAKING TOOLS

Precision made staking tool kits are made from .250 (6.4) diameter heat treated steel, zinc plated. Each kit includes the correct swage top staking tool anvil to create a professional appearance. These tools may be used with an arbor press or hand tapped.



| CAT. NO. | STANDOFF DIA. | THREAD | HOLE SIZE  |
|----------|---------------|--------|------------|
| TL-19    | .156 (4.0)    | 2-56   | -          |
| TL-22    | .187 (4.7)    | 4-40   | -          |
| TL-20    | .250 (6.4)    | 4-40   | -          |
| TL-21    | .250 (6.4)    | 6-32   | .120 (3.0) |