

# FS and FD Cast Hub Device Boxes

UNILETS™ for use with Threaded Rigid Conduit and IMC. All Device Boxes have Ridge Top Construction. Furnished with Internal Ground Screw.

**NEC:**  
*Listed for Ordinary Locations*

## Applications

- Accommodate wiring devices such as switches and receptacles.
- Provide excellent service in areas where boxes are subject to rough usage.
- Serve as pull boxes for conductors.
- Permit access to conductors for maintenance.
- Provide openings for making splices.
- Allow connections for branch conduit runs.
- Blank bodies for special conduit entrance arrangements.

## Features

- Corrosion-resistant — ideal for indoor and outdoor installations.
- Weatherproof, raintight and dust-tight when used with cast gasketed covers.
- FS and FD boxes take standard flush wiring devices.
- FD boxes take devices exceeding 41.4 mm (1.63 in) in depth under fastening ears.
- Malleable iron for high tensile strength and ductility — provides greater resistance to impact and shock.
- Both malleable iron and aluminum boxes have ridge top construction for positive cover/gasket/box fit.
- Accurately tapped, tapered threads for tight, rigid joints, ground continuity.
- Complete selection of covers, receptacles, plugs, gaskets and accessories.
- Covers have captive stainless steel screws to speed installation, prevents loss of screws.
- Internal grounding screws standard.
- Available in single, two and three gang and tandem.
- Smooth, rounded integral bushing in each hub protects conductor insulation.

## Standard Materials

- Boxes: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Covers: malleable iron, steel, or copperfree (4/10 of 1% max.) aluminum
- Screws: stainless steel
- Gaskets: neoprene

## Standard Finishes

- Malleable iron boxes and covers: triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Aluminum boxes and covers: epoxy powder coat
- Steel covers: zinc electroplate

## NEC Certifications and Compliances

- UL Standard: 514A
- UL Listed: E2527
- NEMA Standard: FB-1



## Illustrated Features



Gasket is designed so that it wraps around ridge top of Appleton™ aluminum or malleable iron device box. Result is a positive seal against moisture.



Gasket construction.  
Cover tightens on largest perimeter of gasket and fits snugly against portion of gasket that wraps around ridge top of box.

# FS and FD Cast Hub Device Boxes

UNILETS™ for use with Threaded Rigid Metal Conduit and IMC. Furnished with Internal Ground Screw.

NEC:  
Listed for Ordinary Locations

FS Box (Shallow) 2.00" deep, FD Box (Deep) 2.69" deep, ED (Extra Deep) 3.06" deep

|                                                                                     | Type | Depth          | Hub Size (Inches) | Catalog Number           |                    |
|-------------------------------------------------------------------------------------|------|----------------|-------------------|--------------------------|--------------------|
|                                                                                     |      |                |                   | Malleable Iron Ridge Top | Aluminum Ridge Top |
|    | FS   | Shallow        | 1/2               | FS-2-50                  | FS-2-50-A          |
|                                                                                     |      |                | 3/4               | FS-2-75                  | FS-2-75-A          |
|                                                                                     |      |                | 1                 | FS-2-100                 | —                  |
|                                                                                     | FD   | Deep           | 1/2               | FD-2-50                  | —                  |
|                                                                                     |      |                | 1/2               | FD-2-50ED                | —                  |
|                                                                                     |      |                | 3/4               | FD-2-75                  | FD-2-75-A          |
|                                                                                     |      |                | 3/4               | FD-2-75ED                | —                  |
|                                                                                     |      |                | 1                 | FD-2-100                 | —                  |
|                                                                                     |      |                | 1                 | FD-2-100ED               | —                  |
|  | FSC  | Shallow        | 1/2               | FSC-2-50                 | —                  |
|                                                                                     |      |                | 3/4               | FSC-2-75                 | FSC-2-75-A         |
|                                                                                     |      |                | 1                 | FSC-2-100                | —                  |
|                                                                                     | FDC  | Deep           | 1/2               | FDC-2-50                 | —                  |
|                                                                                     |      |                | 1/2               | FDC-2-50ED               | —                  |
|                                                                                     |      |                | 3/4               | FDC-2-75                 | FDC-2-75-A         |
|                                                                                     |      |                | 3/4               | FDC-2-75ED               | —                  |
|                                                                                     |      |                | 1                 | FDC-2-100                | —                  |
|                                                                                     |      |                | 1                 | FDC-2-100ED              | —                  |
|  | FSS  | Shallow        | 1/2               | FSS-2-50                 | —                  |
|                                                                                     |      |                | 3/4               | FSS-2-75                 | FSS-2-75-A         |
|                                                                                     |      |                | 1                 | FSS-2-100                | —                  |
|  | FDS  | Deep           | 3/4               | FDS-2-75                 | —                  |
|                                                                                     |      |                | 3/4               | FDS-2-75                 | —                  |
|  | FSD  | Shallow ①      | 1/2-3/4           | FSD-2-75                 | —                  |
|                                                                                     |      |                | 1/2-3/4           | FSD-2-75                 | —                  |
|  | FS   | 1" Extension ② | —                 | FS-2EXT                  | —                  |

① Largest hub at bottom in illustration.

② Extension does not have a ground screw.

Shaded boxes include mounting feet (feet not shown for boxes on this page).

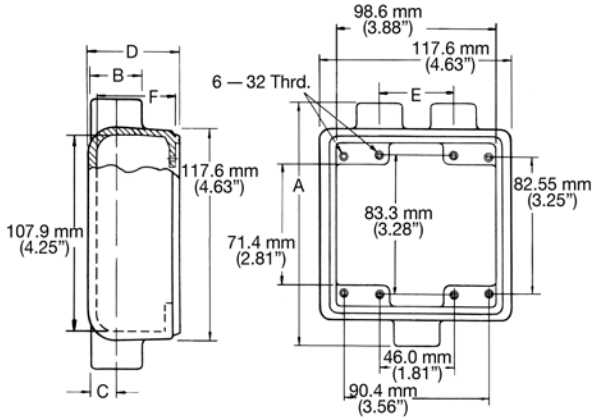
# FS and FD Cast Hub Device Boxes

NEC:  
Listed for Ordinary Locations

## Wiring Capacity

| Hub Size<br>(Inches) | FS           | Capacity — dm³ (in³) | FD           |
|----------------------|--------------|----------------------|--------------|
| 1/2                  | 0.52 (32.00) |                      | 0.74 (45.00) |
| 3/4                  | 0.52 (32.00) |                      | 0.74 (45.00) |
| 1                    | 0.52 (32.00) |                      | 0.74 (45.00) |

## Dimensions in Millimeters (Inches)



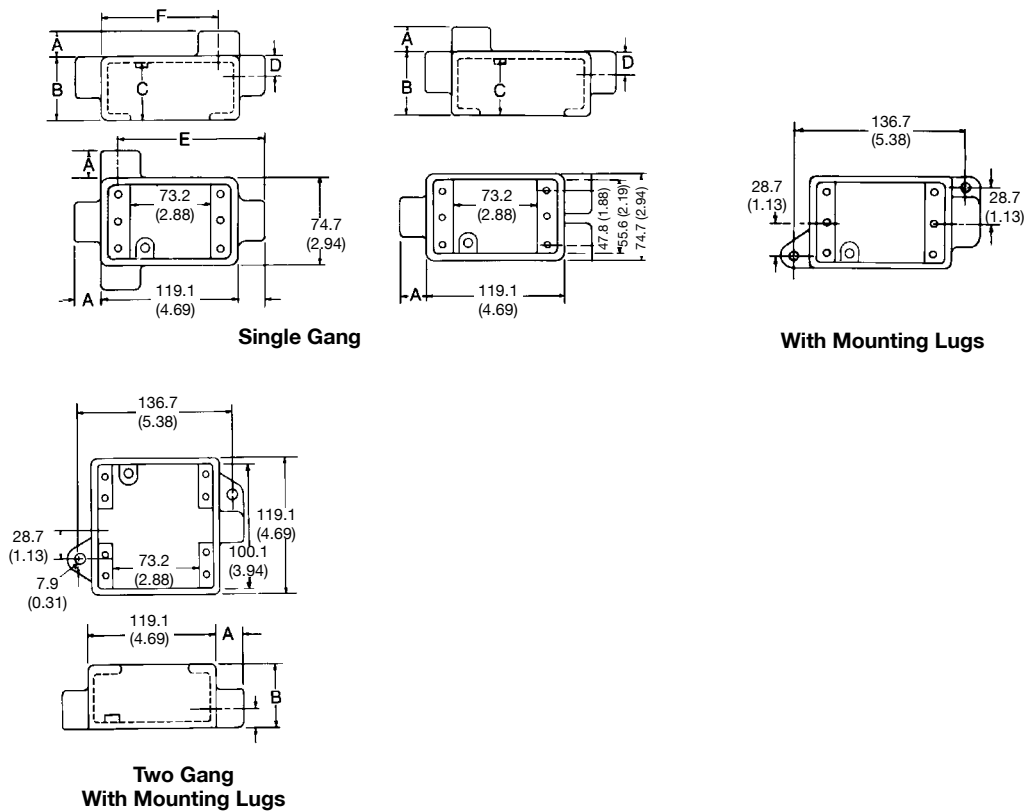
| Hub Size<br>(Inches) | Dimensions in Millimeters (Inches) |             |             |             |             |             |             |             |
|----------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                      | D                                  |             |             |             | F           |             |             |             |
|                      | A                                  | B           | C           | "FS"        | "FD"        | E           | "FS"        | "FD"        |
| 1/2                  | 149.4 (5.88)                       | 28.7 (1.13) | 16.0 (0.63) | 50.8 (2.00) | 68.3 (2.69) | 47.8 (1.88) | 45.2 (1.78) | 62.0 (2.44) |
| 3/4                  | 149.4 (5.88)                       | 35.1 (1.38) | 19.1 (0.75) | 50.8 (2.00) | 68.3 (2.69) | 47.8 (1.88) | 45.2 (1.78) | 62.0 (2.44) |
| 1                    | 160.3 (6.31)                       | 42.9 (1.69) | 23.9 (0.94) | 50.8 (2.00) | 68.3 (2.69) | 52.3 (2.06) | 45.2 (1.78) | 62.0 (2.44) |

# FS and FD Cast Hub Device Boxes

NEC:  
Listed for Ordinary Locations

## Dimensions in Millimeters (Inches)

### Type FD Extra Deep



| Catalog Number    | Hub Size (Inches) | Dimensions in Millimeters (Inches) |              |              |              |               |               |
|-------------------|-------------------|------------------------------------|--------------|--------------|--------------|---------------|---------------|
|                   |                   | A                                  | B            | C            | D            | E             | F             |
| All FD Type Boxes | 1/2               | 19.05 (0.75)                       | 77.72 (3.06) | 73.15 (2.88) | 16.00 (0.63) | 119.13 (4.69) | 100.08 (3.94) |
|                   | 3/4               | 19.05 (0.75)                       | 77.72 (3.06) | 73.15 (2.88) | 19.05 (0.75) | 115.82 (4.56) | 96.77 (3.81)  |
|                   | 1                 | 22.35 (0.88)                       | 77.72 (3.06) | 73.15 (2.88) | 22.35 (0.88) | —             | —             |