

# FS and FD Cast Device Boxes

## CSA Certification Only.

UNILETS® for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

### 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 1-5/8" 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, prevent "freezing" of screws.
- Ground screw at top of box for easy access.
- Cast Hub Boxes
  - Available in single, two, three and four gang and tandem.
  - Smooth, rounded integral bushing in each hub protects conductor insulation.
- FD Blank Bodies for Brazed Hubs or Drill and Tapped Entries
  - Available in single, two, three and four gang boxes.
  - Drill and tapped entries.
  - Brazed threaded hubs for threaded conduit from 1/2" thru 1-1/2" and brazed union hubs from 1/2" thru 1-1/4.
  - Smooth, rounded integral bushing in each hub protects conductor insulation.
  - Ground screw at top of box for easy access.

### Standard Materials

- Cast hub device boxes and boxes for drilling and tapping: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Brazed hubs: malleable iron
- Covers: malleable iron, steel, or copperfree (4/10 of 1% max.) aluminum

### Standard Finishes

- Malleable iron boxes and covers: triple-coat — (1) zinc electroplate, (2) chromate, and (3) aluminum polymer enamel
- Aluminum boxes and covers: epoxy powder coat
- Steel covers: zinc electroplate
- Screws: stainless steel

### Options

- Enclosures drilled for 347 Volt devices. Add suffix **-347**.




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.

### Certifications and Compliances

- CSA Standard: C22.2 No. 18.1
- CSA Certified: 001472

### Reference Data


- When ordering drilled and tapped openings or brazed hubs for blank bodies, refer to *FS and FD Cast Device Boxes Drilling and Tapping Information*  pages.

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# FS and FD Single-Gang Cast Device Boxes

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|   | Size |         | Malleable Iron   |               |         | Aluminum          |               |
|---|------|---------|------------------|---------------|---------|-------------------|---------------|
|   |      |         | Catalog Number   | Wt. Lbs./Kgs. |         | Catalog Number    | Wt. Lbs./Kgs. |
|    | 1/2  |         | <b>FS-1</b>      | 1.94/0.88     |         | <b>FS-1A</b>      | 0.64/0.29     |
|   | 3/4  | Shallow | <b>FS-2</b>      | 2.25/1.02     | Shallow | <b>FS-2A</b>      | 0.75/0.34     |
|   | 1    |         | <b>FS-3</b>      | 1.94/0.88     |         | <b>FS-3A</b>      | 0.64/0.29     |
|   | 1/2  |         | <b>FD-1</b>      | 2.70/1.22     |         | <b>FD-1A</b>      | 0.90/0.41     |
|   | 3/4  | Deep    | <b>FD-2</b>      | 2.60/1.18     | Deep    | <b>FD-2A</b>      | 0.92/0.42     |
|   | 1    |         | <b>FD-3</b>      | 2.80/1.27     |         | <b>FD-3A</b>      | 0.94/0.43     |
|    | 1/2  | Shallow | <b>FSA-1</b>     | 1.70/0.77     | Shallow | <b>FSA-1A</b>     | 0.57/0.26     |
|   | 3/4  |         | <b>FSA-2</b>     | 1.60/0.73     |         | <b>FSA-2A</b>     | 0.58/0.26     |
|   | 1/2  | Deep    | <b>FDA-1</b>     | 2.10/0.95     | Deep    | <b>FDA-1A</b>     | 0.70/0.32     |
|   | 3/4  |         | <b>FDA-2</b>     | 2.00/0.91     |         | <b>FDA-2A</b>     | 0.67/0.30     |
|   | 1/2  |         | <b>FSC-1</b>     | 2.10/0.95     |         | <b>FSC-1A</b>     | 0.70/0.32     |
|   | 3/4  | Shallow | <b>FSC-2</b>     | 2.40/1.09     | Shallow | <b>FSC-2A</b>     | 0.80/0.36     |
|   | 1    |         | <b>FSC-3</b>     | 2.06/0.93     |         | <b>FSC-3A</b>     | 0.70/0.32     |
|   | 1/2  |         | <b>FDC-1</b>     | 2.80/1.27     |         | <b>FDC-1A</b>     | 0.94/0.43     |
|   | 3/4  | Deep    | <b>FDC-2</b>     | 2.80/1.27     | Deep    | <b>FDC-2A</b>     | 0.94/0.43     |
|   | 1    |         | <b>FDC-3</b>     | 3.00/1.36     |         | <b>FDC-3A</b>     | 1.00/0.45     |
|  | 1/2  | Shallow | <b>FSCC-1</b>    | 1.70/0.77     | Shallow | <b>FSCC-1A</b>    | 0.57/0.26     |
|   | 3/4  |         | <b>FSCC-21 *</b> | 2.20/0.99     |         | <b>FSCC-21A *</b> | 0.74/0.34     |
|  | 1/2  |         | <b>FSCT-1</b>    | 2.50/1.13     |         | <b>FSCT-1A</b>    | 0.84/0.38     |
|   | 3/4  | Shallow | <b>FSCT-2</b>    | 2.50/1.13     | Shallow | <b>FSCT-2A</b>    | 0.84/0.38     |
|   | 1    |         | <b>FSCT-3</b>    | 2.25/1.02     |         | <b>FSCT-3A</b>    | 0.75/0.34     |
|   | 1/2  |         | <b>FDCT-1</b>    | 3.00/1.36     |         | <b>FDCT-1A</b>    | 1.00/0.45     |
|   | 3/4  | Deep    | <b>FDCT-2</b>    | 2.80/1.27     | Deep    | <b>FDCT-2A</b>    | 0.94/0.43     |
|   | 1    |         | <b>FDCT-3</b>    | 3.10/1.41     |         | <b>FDCT-3A</b>    | 1.03/0.47     |
|  | 1/2  | Deep    | <b>FDD-1</b>     | 2.20/0.99     | Deep    | <b>FDD-1A</b>     | 0.74/0.34     |
|   | 3/4  |         | <b>FDD-2</b>     | 2.30/1.04     |         | <b>FDD-2A</b>     | 0.77/0.35     |
|  | 3/4  | Shallow | <b>FSL-2</b>     | 2.34/1.06     | Shallow | <b>FSL-2A</b>     | 0.78/0.35     |




\* Use FD Unilets for wiring devices exceeding 1-5/8" in depth under fastening ears.

† CSA Certification Only.

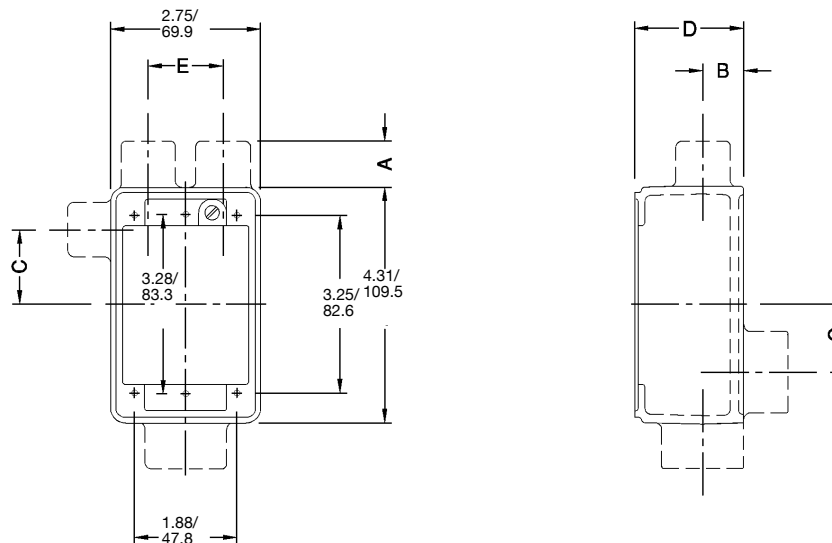
# FS and FD Single Gang Cast Device Boxes

## CSA Certification Only.

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|   | Size | Malleable Iron |               | Aluminum       |               |               |           |
|---|------|----------------|---------------|----------------|---------------|---------------|-----------|
|   |      | Catalog Number | Wt. Lbs./Kgs. | Catalog Number | Wt. Lbs./Kgs. |               |           |
|  | 1/2  | Shallow        | <b>FSS-1</b>  | 1.80/0.82      | Shallow       | <b>FSS-1A</b> | 0.60/0.27 |
|   | 3/4  |                | <b>FSS-2</b>  | 1.80/0.82      |               | <b>FSS-2A</b> | 0.60/0.27 |
|  | 1/2  | Shallow        | <b>FST-1</b>  | 2.46/1.12      | Shallow       | <b>FST-1A</b> | 0.82/0.37 |
|   | 3/4  |                | <b>FST-2</b>  | 2.33/1.06      |               | <b>FST-2A</b> | 0.78/0.35 |
|   | 1    | Deep           | <b>FDT-3</b>  | 3.20/1.45      | Deep          | <b>FDT-3A</b> | 1.07/0.49 |
|  | 1/2  | Shallow        | <b>FSX-1</b>  | 2.75/1.25      | Shallow       | <b>FSX-1A</b> | 0.91/0.41 |
|   | 3/4  |                | <b>FSX-2</b>  | 2.34/1.06      |               | <b>FSX-2A</b> | 0.78/0.35 |
|   | 1/2  | Deep           | <b>FDX-1</b>  | 3.10/1.41      | Deep          | <b>FDX-1A</b> | 1.03/0.47 |
|   | 3/4  |                | <b>FDX-2</b>  | 3.00/1.36      |               | <b>FDX-2A</b> | 1.06/0.48 |
|   | 1    |                | <b>FDX-3</b>  | 3.50/1.59      |               | <b>FDX-3A</b> | 1.17/0.53 |

### Dimensions in Inches/Millimeters



FS & FD Single Gang Devices









| Hub Size | A        | B        | C        | D        |          | E        |
|----------|----------|----------|----------|----------|----------|----------|
|          |          |          |          | FS       | FD       |          |
| 1/2      | 0.75/0.3 | 0.63/0.3 | 1.38/0.6 | 2.00/0.9 | 2.75/1.3 | 1.38/0.6 |
| 3/4      | 0.75/0.3 | 0.75/0.3 | 1.38/0.6 | 2.00/0.9 | 2.75/1.3 | 1.38/0.6 |
| 1        | 0.88/0.4 | 0.88/0.4 | 1.25/0.8 | 2.00/0.9 | 2.75/1.3 | 1.38/0.6 |

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|   | Description   | Catalog Number  | Wt. Lbs./Kgs. Per 100 |
|---|---|---|-----------------------|
| <b>Single Gang Covers</b>   |   |   |                       |
|    | Blank Cover, Steel — Zinc Electroplate                                  | <b>FS-4 *</b>   | 12.00/5.44            |
|    | Round Receptacle Cover, Steel — Zinc Electroplate<br>Hole dia. 1-7/16"  | <b>FS-5 *</b>   | 12.00/5.44            |
|    | Duplex Receptacle Cover, Steel — Zinc Electroplate                      | <b>FS-6 *</b>   | 10.00/4.54            |
|    | Round Receptacle Cover, Steel — Zinc Electroplate<br>Hole dia. 1-5/8"   | <b>FS-8 *</b>   | 12.00/5.44            |
|    | Tumbler Switch Cover, Steel — Zinc Electroplate                         | <b>FS-9 *</b>   | 12.00/5.44            |
|   | Tumbler Switch Cover, Steel — Zinc Electroplate                         | <b>FSK-ITS-G †</b>  | 22.00/9.98            |
|  | For pilot lamp<br>Red Jewel<br>Amber Jewel<br>Green Jewel<br>Opal Jewel | <b>FSK-1J †</b><br><b>FSK-1JA †</b><br><b>FSK-1JG †</b><br><b>FSK-1JO †</b> | 25.00/11.34           |
| <b>Single Gang Weatherproof Covers</b>  |   |   |                       |
|  | Blank Cover, Malleable Iron, Zinc Electroplate                          | <b>FS-100G</b>  | 56.00/25.40           |

Fittings

FITTINGS: CAST DEVICE BOXES

\* Available in Aluminum: Add suffix **-A** to Catalog Number.











† Also for use with multiple gang Unilets with individual cover openings.

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|   | Description  | Catalog Number           |                    |
|---|--|--------------------------|--------------------|
|   |  | Malleable Iron Ridge Top | Aluminum Ridge Top |
| <b>Cast Covers Only — Weatherproof — Furnished with gasket and stainless steel screws</b> |  |                          |                    |
|          | Receptacle cover with spring cover.<br>Hole Diameter — 1-7/16" | FSK-1VRCN                | —                  |
|          | Rocker type for square handle tumbler or toggle switches       | FSK-1VCN                 | FSK-1V-ACN         |
|          | For duplex flush receptacle with spring cover                  | FSK-1VDR                 | FSK-1VDR-A         |
|          | For external operation of tumbler switches with square handles | FSK-1VTSCN               | FSK-1VTSACN        |
|         | Operating type for square handle tumbler or toggle switches    | FSK-1VSCN                | FSK-1VS-ACN        |
| <b>Gasket — Replacement</b>   |  |                          |                    |
|        | Neoprene — for use with cast                                   | FS-GKR-1N                | FS-GKR-1N          |
| <b>Cast Covers Only — Furnished with stainless steel screws less gasket</b>               |  |                          |                    |
|        | For standard 2 or 3 wire duplex receptacles                    | FSK-1DR-CCN              | —                  |
|        | For round flush receptacles. Hole dia. 1-7/16"                 | FSK-1R-ZCN               | —                  |
|        | For square handle toggle switches                              | FSK-1TS-CCN              | —                  |
|        | For square handle toggle switches (with protecting guard)      | FSA-1TSG-CCN             | FSK-1TSG-CACN      |

Fittings

FITTINGS: CAST DEVICE BOXES

 CSA Certification Only.

# FS and FD Receptacle Covers and Plugs for Single Gang Device Boxes

CSA Certification Only. Weatherproof, Raintight and Dust-tight

Covers for Ridge Top Boxes.



| Receptacle | Plug | Pole/Wire | Catalog Number                             |                       |      |
|------------|------|-----------|--|-----------------------|------|
|            |      |           | Receptacles<br>Malleable Iron<br>Ridge Top | Aluminum<br>Ridge Top | Plug |

Receptacle cover has threaded aluminum cap. Plug has neoprene boot and aluminum fastening ring. Furnished with receptacle, neoprene gasket, stainless steel screws.



## Non-Locking, "U" Shaped Grounding Type – Receptacle takes "U" shaped or round grounding contact plugs

### 15 Amp, 125V





|  |  |        |                |                  |                 |
|--|--|--------|----------------|------------------|-----------------|
| NEMA 5-15R  | NEMA 5-15P  | 2P, 3W | <b>FSK5-15</b> | <b>FSK5-15-A</b> | <b>FSWP5-15</b> |
|--|--|--------|----------------|------------------|-----------------|

### 20 Amp, 125V



|  |  |        |                  |                    |                 |
|--|--|--------|------------------|--------------------|-----------------|
| NEMA 5-20R  | NEMA 5-20P  | 2P, 3W | <b>FSK5-20 †</b> | <b>FSK5-20-A †</b> | <b>FSWP5-20</b> |
|--|--|--------|------------------|--------------------|-----------------|

### 15 Amp, 250V



|  |  |        |                |                  |                 |
|--|--|--------|----------------|------------------|-----------------|
| NEMA 6-15R  | NEMA 6-15P  | 2P, 3W | <b>FSK6-15</b> | <b>FSK6-15-A</b> | <b>FSWP6-15</b> |
|--|--|--------|----------------|------------------|-----------------|

### 20 Amp, 250V

|   |   |        |                  |                  |                 |
|---|---|--------|------------------|------------------|-----------------|
| NEMA 6-20R  | NEMA 6-20P  | 2P, 3W | <b>FSK6-20 ‡</b> | <b>FSK6-20-A</b> | <b>FSWP6-20</b> |
|---|---|--------|------------------|------------------|-----------------|


## Locking Grounding Type

### 15 Amp, 125V



|   |   |        |                 |  |                  |
|---|---|--------|-----------------|--|------------------|
| NEMA L5-15R  | NEMA L5-15P  | 2P, 3W | <b>FSKL5-15</b> |  | <b>FSWPL5-15</b> |
|---|---|--------|-----------------|--|------------------|

### 15 Amp, 250V

|   |   |        |                 |  |                  |
|---|---|--------|-----------------|--|------------------|
| NEMA L6-15R  | NEMA L6-15P  | 2P, 3W | <b>FSKL6-15</b> |  | <b>FSWPL6-15</b> |
|---|---|--------|-----------------|--|------------------|


### 15 Amp, 277V



|   |   |        |                 |  |                  |
|---|---|--------|-----------------|--|------------------|
| NEMA L7-15R  | NEMA L7-15P  | 2P, 3W | <b>FSKL7-15</b> |  | <b>FSWPL7-15</b> |
|---|---|--------|-----------------|--|------------------|

† Also takes FSWP5-15 Plugs.

‡ Also takes FSWP6-15 Plugs.

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FITTINGS: CAST DEVICE BOXES

Fittings

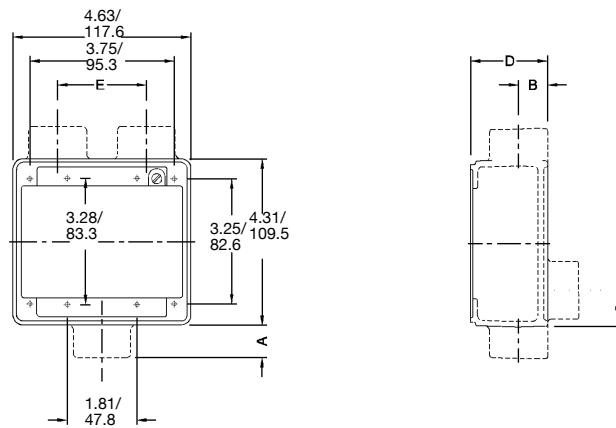
# FS and FD Two Gang Cast Device Boxes

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UNILETS® for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

|  | Size  |               | Gray Iron      |                  |                | Aluminum       |                   |
|--|---|---------------|----------------|------------------|----------------|----------------|-------------------|
|  |   |               | Catalog Number | Wt. Lbs./Kgs.    |                | Catalog Number | Wt. Lbs./Kgs.     |
|   | 1/2   | Shallow       | <b>FS-12</b>   | 2.70/1.22        | Shallow        | <b>FS-12A</b>  | 0.90/0.41         |
|  | 3/4   |               | <b>FS-22</b>   | 2.60/1.18        |                | <b>FS-22A</b>  | 0.87/0.39         |
|  | 1/2   | Deep          | <b>FD-12</b>   | 2.70/1.22        | Shallow        | <b>FD-12A</b>  | 0.90/0.41         |
|  | 3/4   |               | <b>FD-22</b>   | 2.70/1.22        |                | <b>FD-22A</b>  | 0.90/0.41         |
|  | 1   |               | <b>FD-32</b>   | 2.80/1.27        |                | <b>FD-32A</b>  | 0.93/0.42         |
|  |  | 1/2           | Shallow        | <b>FSC-12</b>    | 3.00/1.36      | Shallow        | <b>FSC-12A</b>    |
| 3/4  |   | <b>FSC-22</b> |                | 3.00/1.36        | <b>FSC-22A</b> |                | 1.00/0.45         |
| 1/2  |   | Deep          | <b>FDC-12</b>  | 2.90/1.32        | Deep           | <b>FDC-12A</b> | 0.97/0.44         |
| 3/4  |   |               | <b>FDC-22</b>  | 3.00/1.36        |                | <b>FDC-22A</b> | 1.06/0.48         |
| 1  |   |               | <b>FDC-32</b>  | 3.10/1.41        |                | <b>FDC-32A</b> | 1.03/0.47         |
|  |   | 1/2 - 3/4     | Shallow        | <b>FSD-212 *</b> | 2.70/1.22      | Shallow        | <b>FSD-212A *</b> |

## Dimensions in Inches/Millimeters



FS & FD Two-Gang Devices

| Hub Size | A         | B         | C         | D         |           | E         |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|
|          |           |           |           | FS        | FD        |           |
| 1/2      | 0.75/19.1 | 0.63/16.0 | 1.38/35.1 | 2.00/50.8 | 2.75/69.9 | 2.31/58.7 |
| 3/4      | 0.75/19.1 | 0.75/19.1 | 1.38/35.1 | 2.00/50.8 | 2.75/69.9 | 2.31/58.7 |
| 1        | 0.88/22.4 | 0.88/22.4 | 1.25/31.8 | 2.00/50.8 | 2.75/69.9 | 2.31/58.7 |

\* Hubs at top of illustration are 1/2".

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