

# FM7™ Unilet® Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

## Applications

- Serve as pulling fittings.
- Make bends in conduit system.
- Provide openings for splicing.
- Connect and change direction of conduit runs.
- Allow connections for branch runs.
- Permit access to conductors for maintenance.

## Features

- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.
- Wedge-Lok™ Form-IN-Place covers with integral gasket are approved for use in wet locations. Grayloy-iron bodies with cast covers and gasket are approved for use in wet locations.
- Unique Wedge-Lok™ clip cover design allows easy removal at any later time, without damaging the conduit body. The cover is secured with clips, not screws.
- Completely interchangeable with Crouse-Hinds<sup>†</sup> Form 7™<sup>†</sup> bodies, gaskets and covers. Equivalent FM7 and Form 7™ units have identical applications and installation dimensions.
- Flat back design provides greater cubic content for easier wire pulling, and more room for splicing. Fits flush and snug against flat surfaces for more stable installation.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.
- Pan-head cover screws secure cover clips and provide superior screwdriver seating and torque. Cover screws and clips are captive to prevent loss.
- Hub size, body style, compliance data, maximum wire number/size and cubic capacity molded into body.

## Standard Materials

- Body: Grayloy-iron or copperfree (4/10 of 1% max.) aluminum
- Covers: Grayloy-iron, copperfree (4/10 of 1% max.) aluminum or steel
- Cover screws: stainless steel

## Standard Finishes

- Grayloy-iron bodies and covers: triplecoat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Cast aluminum bodies and covers: epoxy powder coat
- Steel covers: zinc electroplate
- Stamped aluminum covers: natural finish

## Certifications and Compliances

- UL Standard: 514A , 514B
- UL Listed: E2527
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065183
- NEMA Standard: FB-1

## Options

- PVC coating available on select aluminum bodies and covers. Add suffix **-PVC** to catalog number.



Type LB

## Illustrated Features



Conduit Body with Cast Aluminum Cover, 1" Type C shown



Grayloy™-Iron, 1" Type C shown with cut-away body and cover to illustrate Wedge-Lok™ Clip Cover detail

Illustrated views are cut away to demonstrate back configurations.



Appleton FM7 (C57, 1-1/2")  
28 Cubic Inches Capacity  
Flat-Back Design



Crouse-Hinds Form 7 (C57, 1-1/2")  
26 Cubic Inches Capacity

<sup>†</sup> Crouse-Hinds and Form 7 are registered trademarks of Cooper Crouse-Hinds.

# FM7™ Wedge-Lok™ Clip Covers, Gaskets

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

## Appleton FM7 Blank Covers and Gaskets (Covers furnished with stainless steel screws)

| Body Size (inches) | Wedge-Lok Cast Cover  |          | Wedge-Lok Stamped Cover  |            | Solid Neoprene Gasket   |
|--------------------|---|----------|--|------------|---|
|                    | Grayloy-Iron  | Aluminum | Steel  | Aluminum ‡ |   |
|                    |  |          |  |            |  |
| 1/2                | 170F  | 170F-SA  | 170  | 170-SA     | GASK571   |
| 3/4                | 270F  | 270F-SA  | 270  | 270-SA     | GASK572   |
| 1                  | 370F  | 370F-SA  | 370  | 370-SA     | GASK573   |
| 1-1/4              | 470F  | 470F-SA  | 470  | 470-SA     | GASK574   |
| 1-1/2              | 570F  | 570F-SA  | 570  | 570-SA     | GASK575   |
| 2                  | 670F  | 670F-SA  | 670  | 670-SA     | GASK576   |
| 2-1/2              | 870F  | 870F-SA  | 870  | 870-SA     | GASK578   |
| 3                  | 870F  | 870F-SA  | 870  | 870-SA     | GASK578   |
| 3-1/2              | 970F  | 970F-SA  | 970  | 970-SA     | GASK579   |
| 4                  | 970F  | 970F-SA  | 970  | 970-SA     | GASK579   |

Fittings

FITTINGS: CONDUIT BODIES

‡ PVC coating available on select aluminum covers. Add suffix **-PVC** to catalog number.

# FM7™ Unilet® Conduit Outlet Bodies and Covers Wiring Capacity

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

FITTINGS: CONDUIT BODIES

## Wiring Capacity: Combine Body and Cover Capacities for Total Usable Capacity per NEC 314.16(A)

| Hub Size (Inches)                                     | Capacity (in <sup>3</sup> /dm <sup>3</sup> ) |                |                 |                 |                |                 |                |                |                | Stamped Cover  | Cast Cover     |                |
|---|--|----------------|-----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   | C  | E              | LB              | LL LR           | L              | T               | TA             | TB             | X              |                |                |                |
| <b>FM7™ Grayloy™-Iron Bodies and Covers: Threaded</b> |  |                |                 |                 |                |                 |                |                |                |                |                |                |
| 1/2   | 4.00/<br>0.07                                | 4.00/<br>0.07  | 4.00/<br>0.07   | 4.00/<br>0.07   | 5.00/<br>0.08  | 6.00/<br>0.10   | 6.00/<br>0.10  | 6.00/<br>0.10  | 6.00/<br>0.10  | 6.00/<br>0.10  | 0.30/<br>0.00  | 0.40/<br>0.01  |
| 3/4   | 7.00/<br>0.11                                | 7.00/<br>0.11  | 7.00/<br>0.11   | 7.00/<br>0.11   | 9.00/<br>0.15  | 10.00/<br>0.16  | 10.00/<br>0.16 | 10.00/<br>0.16 | 10.00/<br>0.16 | 10.00/<br>0.16 | 0.50/<br>0.01  | 0.80/<br>0.01  |
| 1   | 11.00/<br>0.18                               | 11.00/<br>0.18 | 11.00/<br>0.18  | 11.00/<br>0.18  | 13.50/<br>0.22 | 15.50/<br>0.25  | 15.50/<br>0.25 | 15.50/<br>0.25 | 15.50/<br>0.25 | 15.50/<br>0.25 | 1.30/<br>0.02  | 1.30/<br>0.02  |
| 1-1/4   | 20.00/<br>0.33                               | —              | 20.00/<br>0.33  | 20.00/<br>0.33  | 22.50/<br>0.37 | 20.00/<br>0.33  | 20.00/<br>0.33 | 20.00/<br>0.33 | 20.00/<br>0.33 | 20.00/<br>0.33 | 1.80/<br>0.03  | 2.00/<br>0.03  |
| 1-1/2   | 28.00/<br>0.46                               | —              | 28.00/<br>0.46  | 28.00/<br>0.46  | 31.00/<br>0.51 | 28.00/<br>0.46  | 28.00/<br>0.46 | 28.00/<br>0.46 | 28.00/<br>0.46 | 28.00/<br>0.46 | 2.30/<br>0.04  | 3.00/<br>0.05  |
| 2   | 50.00/<br>0.82                               | —              | 50.00/<br>0.82  | 50.00/<br>0.82  | 50.00/<br>0.82 | 50.00/<br>0.82  | 50.00/<br>0.82 | 50.00/<br>0.82 | 50.00/<br>0.82 | 50.00/<br>0.82 | 2.80/<br>0.05  | 4.80/<br>0.08  |
| 2-1/2   | 102.00/<br>1.67                              | —              | 102.00/<br>1.67 | 102.00/<br>1.67 | —              | 102.00/<br>1.67 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3   | 133.00/<br>2.18                              | —              | 133.00/<br>2.18 | 133.00/<br>2.18 | —              | 133.00/<br>2.18 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3-1/2   | —  | —              | 218.00/<br>3.57 | 218.00/<br>3.57 | —              | 218.00/<br>3.57 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |
| 4   | —  | —              | 244.00/<br>4.00 | 244.00/<br>4.00 | —              | 244.00/<br>4.00 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |
| <b>FM7™ Aluminum Bodies and Covers: Threaded</b>      |  |                |                 |                 |                |                 |                |                |                |                |                |                |
| 1/2   | 4.00/<br>0.07                                | 4.00/<br>0.07  | 4.00/<br>0.07   | 4.00/<br>0.07   | —              | 6.00/<br>0.10   | —              | 6.00/<br>0.10  | 6.00/<br>0.10  | 6.00/<br>0.10  | 0.30/<br>0.005 | 0.40/<br>0.007 |
| 3/4   | 7.00/<br>0.11                                | 7.00/<br>0.11  | 7.00/<br>0.11   | 7.00/<br>0.11   | —              | 10.00/<br>0.16  | —              | 10.00/<br>0.16 | 10.00/<br>0.16 | 10.00/<br>0.16 | 0.50/<br>0.008 | 0.80/<br>0.01  |
| 1   | 11.00/<br>0.18                               | 11.00/<br>0.18 | 11.00/<br>0.18  | 11.00/<br>0.18  | —              | 15.50/<br>0.25  | —              | 15.50/<br>0.25 | 15.50/<br>0.25 | 15.50/<br>0.25 | 1.30/<br>0.02  | 1.30/<br>0.02  |
| 1-1/4   | 20.00/<br>0.33                               | —              | 20.00/<br>0.33  | 20.00/<br>0.33  | —              | 20.00/<br>0.33  | —              | 20.00/<br>0.33 | 20.00/<br>0.33 | 20.00/<br>0.33 | 1.80/<br>0.03  | 2.00/<br>0.03  |
| 1-1/2   | 28.00/<br>0.46                               | —              | 28.00/<br>0.46  | 28.00/<br>0.46  | —              | 28.00/<br>0.46  | —              | 28.00/<br>0.46 | 28.00/<br>0.46 | 28.00/<br>0.46 | 2.30/<br>0.04  | 3.00/<br>0.05  |
| 2   | 50.00/<br>0.82                               | —              | 50.00/<br>0.82  | 50.00/<br>0.82  | —              | 50.00/<br>0.82  | —              | 50.00/<br>0.82 | 50.00/<br>0.82 | 50.00/<br>0.82 | 2.80/<br>0.05  | 4.80/<br>0.08  |
| 2-1/2   | 102.00/<br>1.67                              | —              | 102.00/<br>1.67 | 102.00/<br>1.67 | —              | 102.00/<br>1.67 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3   | 133.00/<br>2.18                              | —              | 133.00/<br>2.18 | 133.00/<br>2.18 | —              | 133.00/<br>2.18 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3-1/2   | —  | —              | 218.00/<br>3.57 | 218.00/<br>3.57 | —              | 218.00/<br>3.57 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |
| 4   | —  | —              | 244.00/<br>4.00 | 244.00/<br>4.00 | —              | 244.00/<br>4.00 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |

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- Make bends in conduit system.
- Provide openings for splicing.
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- Unique Wedge-Lok™ clip cover design allows easy removal at any later time, without damaging the conduit body. The cover is secured with clips, not screws.
- Completely interchangeable with Crouse-Hinds<sup>†</sup> Form 7™<sup>†</sup> bodies, gaskets and covers. Equivalent FM7 and Form 7™ units have identical applications and installation dimensions.
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- Pan-head cover screws secure cover clips and provide superior screwdriver seating and torque. Cover screws and clips are captive to prevent loss.
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## Standard Materials

- Body: Grayloy-iron or copperfree (4/10 of 1% max.) aluminum
- Covers: Grayloy-iron, copperfree (4/10 of 1% max.) aluminum or steel
- Cover screws: stainless steel

## Standard Finishes

- Grayloy-iron bodies and covers: triplecoat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Cast aluminum bodies and covers: epoxy powder coat
- Steel covers: zinc electroplate
- Stamped aluminum covers: natural finish

## Certifications and Compliances

- UL Standard: 514A , 514B
- UL Listed: E2527
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065183
- NEMA Standard: FB-1

## Options

- PVC coating available on select aluminum bodies and covers. Add suffix **-PVC** to catalog number.



Type LB

## Illustrated Features



Conduit Body with Cast Aluminum Cover, 1" Type C shown



Grayloy™-Iron, 1" Type C shown with cut-away body and cover to illustrate Wedge-Lok™ Clip Cover detail

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28 Cubic Inches Capacity  
Flat-Back Design



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26 Cubic Inches Capacity

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## Appleton FM7 Blank Covers and Gaskets (Covers furnished with stainless steel screws)

| Body Size (inches) | Wedge-Lok Cast Cover  |          | Wedge-Lok Stamped Cover  |            | Solid Neoprene Gasket   |
|--------------------|---|----------|--|------------|---|
|                    | Grayloy-Iron  | Aluminum | Steel  | Aluminum ‡ |   |
|                    |  |          |  |            |  |
| 1/2                | 170F  | 170F-SA  | 170  | 170-SA     | GASK571   |
| 3/4                | 270F  | 270F-SA  | 270  | 270-SA     | GASK572   |
| 1                  | 370F  | 370F-SA  | 370  | 370-SA     | GASK573   |
| 1-1/4              | 470F  | 470F-SA  | 470  | 470-SA     | GASK574   |
| 1-1/2              | 570F  | 570F-SA  | 570  | 570-SA     | GASK575   |
| 2                  | 670F  | 670F-SA  | 670  | 670-SA     | GASK576   |
| 2-1/2              | 870F  | 870F-SA  | 870  | 870-SA     | GASK578   |
| 3                  | 870F  | 870F-SA  | 870  | 870-SA     | GASK578   |
| 3-1/2              | 970F  | 970F-SA  | 970  | 970-SA     | GASK579   |
| 4                  | 970F  | 970F-SA  | 970  | 970-SA     | GASK579   |

Fittings

FITTINGS: CONDUIT BODIES

‡ PVC coating available on select aluminum covers. Add suffix **-PVC** to catalog number.

# FM7™ Unilet® Conduit Outlet Bodies and Covers Wiring Capacity

For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

Fittings  
FITTINGS: CONDUIT BODIES

## Wiring Capacity: Combine Body and Cover Capacities for Total Usable Capacity per NEC 314.16(A)

| Hub Size (Inches)                                     | Capacity (in <sup>3</sup> /dm <sup>3</sup> ) |                |                 |                 |                |                 |                |                |                | Stamped Cover  | Cast Cover     |                |
|---|--|----------------|-----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   | C  | E              | LB              | LL LR           | L              | T               | TA             | TB             | X              |                |                |                |
| <b>FM7™ Grayloy™-Iron Bodies and Covers: Threaded</b> |  |                |                 |                 |                |                 |                |                |                |                |                |                |
| 1/2   | 4.00/<br>0.07                                | 4.00/<br>0.07  | 4.00/<br>0.07   | 4.00/<br>0.07   | 5.00/<br>0.08  | 6.00/<br>0.10   | 6.00/<br>0.10  | 6.00/<br>0.10  | 6.00/<br>0.10  | 6.00/<br>0.10  | 0.30/<br>0.00  | 0.40/<br>0.01  |
| 3/4   | 7.00/<br>0.11                                | 7.00/<br>0.11  | 7.00/<br>0.11   | 7.00/<br>0.11   | 9.00/<br>0.15  | 10.00/<br>0.16  | 10.00/<br>0.16 | 10.00/<br>0.16 | 10.00/<br>0.16 | 10.00/<br>0.16 | 0.50/<br>0.01  | 0.80/<br>0.01  |
| 1   | 11.00/<br>0.18                               | 11.00/<br>0.18 | 11.00/<br>0.18  | 11.00/<br>0.18  | 13.50/<br>0.22 | 15.50/<br>0.25  | 15.50/<br>0.25 | 15.50/<br>0.25 | 15.50/<br>0.25 | 15.50/<br>0.25 | 1.30/<br>0.02  | 1.30/<br>0.02  |
| 1-1/4   | 20.00/<br>0.33                               | —              | 20.00/<br>0.33  | 20.00/<br>0.33  | 22.50/<br>0.37 | 20.00/<br>0.33  | 20.00/<br>0.33 | 20.00/<br>0.33 | 20.00/<br>0.33 | 20.00/<br>0.33 | 1.80/<br>0.03  | 2.00/<br>0.03  |
| 1-1/2   | 28.00/<br>0.46                               | —              | 28.00/<br>0.46  | 28.00/<br>0.46  | 31.00/<br>0.51 | 28.00/<br>0.46  | 28.00/<br>0.46 | 28.00/<br>0.46 | 28.00/<br>0.46 | 28.00/<br>0.46 | 2.30/<br>0.04  | 3.00/<br>0.05  |
| 2   | 50.00/<br>0.82                               | —              | 50.00/<br>0.82  | 50.00/<br>0.82  | 50.00/<br>0.82 | 50.00/<br>0.82  | 50.00/<br>0.82 | 50.00/<br>0.82 | 50.00/<br>0.82 | 50.00/<br>0.82 | 2.80/<br>0.05  | 4.80/<br>0.08  |
| 2-1/2   | 102.00/<br>1.67                              | —              | 102.00/<br>1.67 | 102.00/<br>1.67 | —              | 102.00/<br>1.67 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3   | 133.00/<br>2.18                              | —              | 133.00/<br>2.18 | 133.00/<br>2.18 | —              | 133.00/<br>2.18 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3-1/2   | —  | —              | 218.00/<br>3.57 | 218.00/<br>3.57 | —              | 218.00/<br>3.57 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |
| 4   | —  | —              | 244.00/<br>4.00 | 244.00/<br>4.00 | —              | 244.00/<br>4.00 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |
| <b>FM7™ Aluminum Bodies and Covers: Threaded</b>      |  |                |                 |                 |                |                 |                |                |                |                |                |                |
| 1/2   | 4.00/<br>0.07                                | 4.00/<br>0.07  | 4.00/<br>0.07   | 4.00/<br>0.07   | —              | 6.00/<br>0.10   | —              | 6.00/<br>0.10  | 6.00/<br>0.10  | 6.00/<br>0.10  | 0.30/<br>0.005 | 0.40/<br>0.007 |
| 3/4   | 7.00/<br>0.11                                | 7.00/<br>0.11  | 7.00/<br>0.11   | 7.00/<br>0.11   | —              | 10.00/<br>0.16  | —              | 10.00/<br>0.16 | 10.00/<br>0.16 | 10.00/<br>0.16 | 0.50/<br>0.008 | 0.80/<br>0.01  |
| 1   | 11.00/<br>0.18                               | 11.00/<br>0.18 | 11.00/<br>0.18  | 11.00/<br>0.18  | —              | 15.50/<br>0.25  | —              | 15.50/<br>0.25 | 15.50/<br>0.25 | 15.50/<br>0.25 | 1.30/<br>0.02  | 1.30/<br>0.02  |
| 1-1/4   | 20.00/<br>0.33                               | —              | 20.00/<br>0.33  | 20.00/<br>0.33  | —              | 20.00/<br>0.33  | —              | 20.00/<br>0.33 | 20.00/<br>0.33 | 20.00/<br>0.33 | 1.80/<br>0.03  | 2.00/<br>0.03  |
| 1-1/2   | 28.00/<br>0.46                               | —              | 28.00/<br>0.46  | 28.00/<br>0.46  | —              | 28.00/<br>0.46  | —              | 28.00/<br>0.46 | 28.00/<br>0.46 | 28.00/<br>0.46 | 2.30/<br>0.04  | 3.00/<br>0.05  |
| 2   | 50.00/<br>0.82                               | —              | 50.00/<br>0.82  | 50.00/<br>0.82  | —              | 50.00/<br>0.82  | —              | 50.00/<br>0.82 | 50.00/<br>0.82 | 50.00/<br>0.82 | 2.80/<br>0.05  | 4.80/<br>0.08  |
| 2-1/2   | 102.00/<br>1.67                              | —              | 102.00/<br>1.67 | 102.00/<br>1.67 | —              | 102.00/<br>1.67 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3   | 133.00/<br>2.18                              | —              | 133.00/<br>2.18 | 133.00/<br>2.18 | —              | 133.00/<br>2.18 | —              | —              | —              | —              | 9.80/<br>0.16  | 9.70/<br>0.16  |
| 3-1/2   | —  | —              | 218.00/<br>3.57 | 218.00/<br>3.57 | —              | 218.00/<br>3.57 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |
| 4   | —  | —              | 244.00/<br>4.00 | 244.00/<br>4.00 | —              | 244.00/<br>4.00 | —              | —              | —              | —              | 16.50/<br>0.27 | 16.00/<br>0.26 |