

# FM7™ Conduit Outlet Bodies, Covers and Gaskets

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

NEC/CEC — Suitable for use in the following

Hazardous Locations:

Class I, Division 2 per NEC 501.10(B)(4)

Wet Locations, NEMA 3R with cover and gasket

## 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 suitable for use in wet locations. Grayloy-iron bodies with cast covers and gasket are suitable 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® Form 7™ 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

## Options

- No paint and coatings available on select bodies and covers. Add suffix **-NP** to catalog number.

## NEC/CEC Certifications and Compliances

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



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

† Crouse-Hinds and Form 7™ are registered trademarks of Cooper Crouse-Hinds.

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## Appleton™ FM7™ Conduit Bodies ①

| APPC and APPLB and APPLL Conduit Bodies |                   |                                                                                                                                                                                                                                                         |            |                   |              |             |                   |              |             |
|-----------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------|--------------|-------------|-------------------|--------------|-------------|
| Hub Size<br>(Inches)                    | Max. Wire<br>Fill | C                                                                                                                                                                                                                                                       |            | Max. Wire<br>Fill | LB           |             | Max. Wire<br>Fill | LL           |             |
|                                         |                   | Grayloy–Iron                                                                                                                                                                                                                                            | Aluminum ④ |                   | Grayloy–Iron | Aluminum ④  |                   | Grayloy–Iron | Aluminum ④  |
|                                         |                   |    |            |                   |              |             |                   |              |             |
| 1/2                                     | ③                 | APPC17                                                                                                                                                                                                                                                  | APPC-17SA  | ③                 | APPLB17      | APPLB-17SA  | ③                 | APPLL17      | APPLL-17SA  |
| 3/4                                     | (3) # 6           | APPC27                                                                                                                                                                                                                                                  | APPC-27SA  | (3) # 6           | APPLB27      | APPLB-27SA  | (3) # 6           | APPLL27      | APPLL-27SA  |
| 1                                       | (3) # 4           | APPC37                                                                                                                                                                                                                                                  | APPC-37SA  | (3) # 4           | APPLB37      | APPLB-37SA  | (3) # 4           | APPLL37      | APPLL-37SA  |
| 1-1/4                                   | (3) # 3           | APPC47                                                                                                                                                                                                                                                  | APPC-47SA  | (3) # 3           | APPLB47      | APPLB-47SA  | (3) # 2           | APPLL47      | APPLL-47SA  |
| 1-1/2                                   | (3) # 3           | APPC57                                                                                                                                                                                                                                                  | APPC-57SA  | (3) # 3           | APPLB57      | APPLB-57SA  | (3) # 2           | APPLL57      | APPLL-57SA  |
| 2                                       | (3) # 1/0         | APPC67                                                                                                                                                                                                                                                  | APPC-67SA  | (3) # 1/0         | APPLB67      | APPLB-67SA  | (3) # 3/0         | APPLL67      | APPLL-67SA  |
| 2-1/2                                   | (3) 2/0           | APPC77                                                                                                                                                                                                                                                  | APPC-77SA  | (3) 3/0           | APPLB77      | APPLB-77SA  | (3) 250           | APPLL77      | APPLL-77SA  |
| 3                                       | (3) 2/0           | APPC87                                                                                                                                                                                                                                                  | APPC-87SA  | (3) 2/0           | APPLB87      | APPLB-87SA  | (3) 250           | APPLL87      | APPLL-87SA  |
| 3-1/2                                   | —                 | —                                                                                                                                                                                                                                                       | —          | (3) 300           | APPLB97      | APPLB-97SA  | (3) 350           | APPLL97      | APPLL-97SA  |
| 4                                       | —                 | —                                                                                                                                                                                                                                                       | —          | (3) 350           | APPLB107     | APPLB-107SA | (3) 350           | APPLL107     | APPLL-107SA |

| E                                                                                                                                                                                                                                                                      |                   |              |           | L ②               |              |            | TA                |              |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-----------|-------------------|--------------|------------|-------------------|--------------|----------|
| Hub Size<br>(Inches)                                                                                                                                                                                                                                                   | Max. Wire<br>Fill | Grayloy–Iron | Aluminum  | Max. Wire<br>Fill | Grayloy–Iron | Aluminum ④ | Max. Wire<br>Fill | Grayloy–Iron | Aluminum |
| <div></div> |                   |              |           |                   |              |            |                   |              |          |
| 1/2                                                                                                                                                                                                                                                                    | ③                 | APPE17       | APPE-17SA | ③                 | APPL17       | —          | ③                 | APPTA17      | —        |
| 3/4                                                                                                                                                                                                                                                                    | (3) # 6           | APPE27       | APPE-27SA | (3) # 6           | APPL27       | —          | (3) # 6           | APPTA27      | —        |
| 1                                                                                                                                                                                                                                                                      | (3) # 4           | APPE37       | APPE-37SA | (3) # 4           | APPL37       | —          | (3) # 4           | APPTA37      | —        |
| 1-1/4                                                                                                                                                                                                                                                                  | —                 | —            | —         | (3) # 2           | APPL47       | —          | (3) # 3           | APPTA47      | —        |
| 1-1/2                                                                                                                                                                                                                                                                  | —                 | —            | —         | (3) # 2           | APPL57       | —          | (3) # 2           | APPTA57      | —        |
| 2                                                                                                                                                                                                                                                                      | —                 | —            | —         | (3) # 2           | APPL67       | —          | (3) # 2           | APPTA67      | —        |

① Refer to following pages for Wiring Capacity Table.

② L Unilets have double opening and are furnished with one steel cover, assembled.

③ All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.

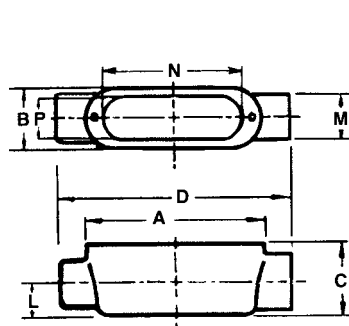
④ PVC coating available on select aluminum bodies. Add suffix **-PVC** to catalog number.

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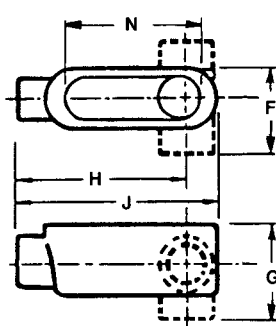
For use with Rigid Steel, Rigid Aluminum and IMC Conduit.

NEC/CEC:  
Class I, Division 2  
Wet Locations, NEMA 3R

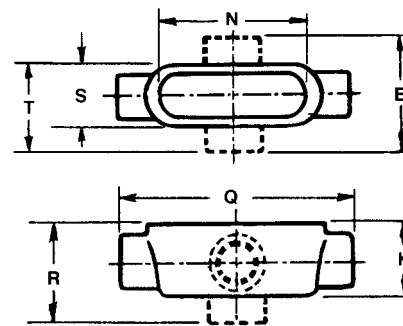
## Dimensions in Millimeters (Inches)



Type C



Type E, L, LB, LL, LR



Type T, TA, TB, X

| Hub Size<br>(Inches) | Dimensions in Millimeters (Inches) |                 |                 |                  |                 |                 |                 |                  |                  |                 |                |                 |                  |                 |                  |                 |                 |                 |
|----------------------|------------------------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------|----------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|
|                      | A                                  | B               | C               | D                | E               | F               | G               | H                | J                | K               | L              | M               | N                | P               | Q                | R               | S               | T               |
| 1/2                  | 92.2<br>(3.63)                     | 35.1<br>(1.38)  | 35.1<br>(1.38)  | 136.7<br>(5.38)  | 84.1<br>(3.31)  | 57.2<br>(2.25)  | 57.2<br>(2.25)  | 100.1<br>(3.94)  | 115.8<br>(4.56)  | 44.5<br>(1.75)  | 16.0<br>(0.63) | 31.8<br>(1.25)  | 81.0<br>(3.19)   | 23.9<br>(0.94)  | 143.0<br>(5.63)  | 66.8<br>(2.63)  | 39.6<br>(1.56)  | 62.0<br>(2.44)  |
| 3/4                  | 108.0<br>(4.25)                    | 39.6<br>(1.56)  | 41.4<br>(1.63)  | 152.4<br>(6.00)  | 88.9<br>(3.50)  | 62.0<br>(2.44)  | 63.5<br>(2.50)  | 112.8<br>(4.44)  | 131.8<br>(5.19)  | 50.8<br>(2.00)  | 19.1<br>(0.75) | 38.1<br>(1.50)  | 96.8<br>(3.81)   | 28.7<br>(1.13)  | 158.8<br>(6.25)  | 73.2<br>(2.88)  | 47.8<br>(1.88)  | 66.8<br>(2.63)  |
| 1                    | 127.0<br>(5.00)                    | 44.5<br>(1.75)  | 47.8<br>(1.88)  | 177.8<br>(7.00)  | 98.6<br>(3.88)  | 69.9<br>(2.75)  | 73.2<br>(2.88)  | 131.8<br>(5.19)  | 152.4<br>(6.00)  | 57.2<br>(2.25)  | 22.4<br>(0.88) | 44.5<br>(1.75)  | 114.3<br>(4.50)  | 35.1<br>(1.38)  | 184.2<br>(7.25)  | 82.6<br>(3.25)  | 50.8<br>(2.00)  | 76.2<br>(3.00)  |
| 1-1/4                | 139.7<br>(5.50)                    | 55.6<br>(2.19)  | 58.7<br>(2.31)  | 189.0<br>(7.44)  | 104.9<br>(4.13) | 81.0<br>(3.19)  | 84.1<br>(3.31)  | 138.2<br>(5.44)  | 165.1<br>(6.50)  | 58.7<br>(2.31)  | 28.7<br>(1.13) | 55.6<br>(2.19)  | 127.0<br>(5.00)  | 44.5<br>(1.75)  | 189.0<br>(7.44)  | 84.1<br>(3.31)  | 55.6<br>(2.19)  | 81.0<br>(3.19)  |
| 1-1/2                | 152.4<br>(6.00)                    | 62.0<br>(2.44)  | 65.0<br>(2.56)  | 208.0<br>(8.19)  | 117.6<br>(4.63) | 88.9<br>(3.50)  | 93.7<br>(3.69)  | 150.9<br>(5.94)  | 181.1<br>(7.13)  | 65.0<br>(2.56)  | 31.8<br>(1.25) | 62.0<br>(2.44)  | 138.2<br>(5.44)  | 49.3<br>(1.94)  | 208.0<br>(8.19)  | 92.2<br>(3.63)  | 62.0<br>(2.44)  | 90.4<br>(3.56)  |
| 2                    | 177.8<br>(7.00)                    | 76.2<br>(3.00)  | 79.5<br>(3.13)  | 233.4<br>(9.19)  | 131.8<br>(5.19) | 103.1<br>(4.06) | 108.0<br>(4.25) | 168.4<br>(6.63)  | 206.5<br>(8.13)  | 79.5<br>(3.13)  | 38.1<br>(1.50) | 76.2<br>(3.00)  | 162.1<br>(6.38)  | 62.0<br>(2.44)  | 233.4<br>(9.19)  | 106.4<br>(4.19) | 76.2<br>(3.00)  | 104.9<br>(4.13) |
| 2-1/2                | 228.6<br>(9.00)                    | 108.0<br>(4.25) | 92.2<br>(3.63)  | 304.8<br>(12.00) | —               | 146.1<br>(5.75) | 130.3<br>(5.13) | 222.3<br>(8.75)  | 266.7<br>(10.50) | 92.2<br>(3.63)  | 44.5<br>(1.75) | 88.9<br>(3.50)  | 212.9<br>(8.38)  | 90.4<br>(3.56)  | 304.8<br>(12.00) | —               | 108.0<br>(4.25) | 146.1<br>(5.75) |
| 3                    | 228.6<br>(9.00)                    | 108.0<br>(4.25) | 111.3<br>(4.38) | 304.8<br>(12.00) | —               | 146.1<br>(5.75) | 149.4<br>(5.88) | 212.9<br>(8.38)  | 266.7<br>(10.50) | 111.3<br>(4.38) | 54.1<br>(2.13) | 108.0<br>(4.25) | 212.9<br>(8.38)  | 90.4<br>(3.56)  | 306.3<br>(12.06) | —               | 108.0<br>(4.25) | 146.1<br>(5.75) |
| 3-1/2                | 279.4<br>(11.00)                   | 133.4<br>(5.25) | 124.0<br>(4.88) | —                | —               | 176.3<br>(6.94) | 166.6<br>(6.56) | 260.4<br>(10.25) | 322.3<br>(12.69) | 124.0<br>(4.88) | 60.5<br>(2.38) | 120.7<br>(4.75) | 260.4<br>(10.25) | 114.3<br>(4.50) | 363.5<br>(14.31) | —               | 133.4<br>(5.25) | 176.3<br>(6.94) |
| 4                    | 279.4<br>(11.00)                   | 133.4<br>(5.25) | 136.7<br>(5.38) | —                | —               | 176.3<br>(6.94) | 179.3<br>(7.06) | 254.0<br>(10.00) | 322.3<br>(12.69) | 136.7<br>(5.38) | 66.8<br>(2.63) | 133.4<br>(5.25) | 260.4<br>(10.25) | 114.3<br>(4.50) | 363.5<br>(14.31) | —               | 133.4<br>(5.25) | 176.3<br>(6.94) |

## Fraction/Decimal Equivalents (Inches)

| Fraction | Decimal | Fraction | Decimal | Fraction | Decimal | Fraction | Decimal |
|----------|---------|----------|---------|----------|---------|----------|---------|
| 1/16     | 0.06    | 5/16     | 0.31    | 9/16     | 0.56    | 13/16    | 0.81    |
| 1/8      | 0.13    | 3/8      | 0.38    | 5/8      | 0.63    | 7/8      | 0.88    |
| 3/16     | 0.19    | 7/16     | 0.44    | 11/16    | 0.69    | 15/16    | 0.94    |
| 1/4      | 0.25    | 1/2      | 0.50    | 3/4      | 0.75    | 1        | 1.00    |