

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

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

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## 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

- Roomy interiors: more wiring space.
- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.
- Form 85 copperfree aluminum Unilets™ are lightweight, self-oxidizing, self-renewing and offer a high corrosion resistance.
- Lightweight aluminum facilitates shipping, handling and installing.
- Sizes with flat-back design ideal where fitting is mounted flat against surface.
- 1/2" to 3" blank covers are domed for extra wiring space.

## Standard Materials

- Bodies: copperfree (max. 4/10 of 1%) aluminum
  - 1/2" thru 2": pressure cast
  - 2-1/2" thru 4": sand cast
- Blank covers: malleable iron, steel or copperfree (max. 4/10 of 1%) aluminum
- Cover screws: stainless steel
- Gaskets: neoprene or composition fiber

## Standard Finishes

- Aluminum bodies: epoxy powder coat
- Stamped aluminum covers: natural finish
- Cast aluminum covers: epoxy powder coat

## Options

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

## NEC/CEC Certifications and Compliances

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

## Related Products

- For explosionproof conduit outlet bodies and boxes, see *Enclosures and Junction Boxes in Protection and Control of Electrical Apparatus and Circuits Catalog*.



Conduit Body with Stamped Aluminum Cover. 2" Type C shown.





Typical Form 85 Conduit Bodies with Setscrews.  
For use with Electrical Metallic Tubing (EMT).



# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

Threaded Type for use with Rigid Metal Conduit and IMC; Setscrew Type for use with Electrical Metallic Tubing (EMT).

NEC/CEC — Suitable for use in the following  
 Hazardous Locations:  
 Class I, Division 2 per NEC 501.10(B)(4)

## Appleton™ Form 85™ Conduit Bodies: Threaded/SetScrew Type ①

| Hub Size<br>(Inches) | Max. Wire Fill | C   |                  | Max. Wire Fill  | E                |                  |
|----------------------|----------------|---|------------------|---|------------------|------------------|
|                      |                | Threaded<br>Type  | Setscrew<br>Type |   | Threaded<br>Type | Setscrew<br>Type |
|                      |                |  |                  |  |                  |                  |
| 1/2                  | ②              | C-50A   | C-50TA           | ②   | E-50A            | E-50TA           |
| 3/4                  | (3) # 6        | C-75A   | C-75TA           | (3) # 6   | E-75A            | —                |
| 1                    | (3) # 4        | C-100A  | C-100TA          | (3) #6  | E-100A           | —                |
| 1-1/4                | (3) # 2        | C-125A  | C-125TA          | —   | —                | —                |
| 1-1/2                | (3) # 1/0      | C-150A  | C-150TA          | —   | —                | —                |
| 2                    | (3) # 3/0      | C-200A  | —                | —   | —                | —                |
| 2-1/2                | (3) 300        | C-250A  | —                | —   | —                | —                |
| 3                    | (3) 300        | C-300A  | —                | —   | —                | —                |
| 3-1/2                | (3) 350        | C-350A  | —                | —   | —                | —                |
| 4                    | (3) 350        | C-400A  | —                | —   | —                | —                |

| Hub Size<br>(Inches) | Max. Wire Fill | LR  |                  | Max. Wire Fill  | T                |                  |
|----------------------|----------------|---|------------------|---|------------------|------------------|
|                      |                | Threaded<br>Type  | Setscrew<br>Type |   | Threaded<br>Type | Setscrew<br>Type |
|                      |                |  |                  |  |                  |                  |
| 1/2                  | ②              | LR-50A  | LR-50TA          | ②   | T-50A            | T-50TA           |
| 3/4                  | (3) # 6        | LR-75A  | LR-75TA          | (3) # 6   | T-75A            | T-75TA           |
| 1                    | (3) # 4        | LR-100A   | LR-100TA         | (3) # 4   | T-100A           | T-100TA          |
| 1-1/4                | (3) # 2        | LR-125A   | LR-125TA         | (3) # 2   | T-125A           | —                |
| 1-1/2                | (3) # 1        | LR-150A   | LR-150TA         | (3) # 1   | T-150A           | —                |
| 2                    | (3) # 2/0      | LR-200A   | LR-200TA         | (3) # 2/0   | T-200A           | —                |
| 2-1/2                | (3) 300        | LR-250A   | —                | (3) 300   | T-250A           | —                |
| 3                    | (3) 350        | LR-300A   | —                | (3) 300   | T-300A           | —                |
| 3-1/2                | (3) 350        | LR-350A   | —                | (3) 350   | T-350A           | —                |
| 4                    | (3) 350        | LR-400A   | —                | (3) 350   | T-400A           | —                |

① Refer to following page for Wiring Capacity Table.



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



# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

Threaded Type for use with Rigid Metal Conduit and IMC; Setscrew Type for use with Electrical Metallic Tubing (EMT).

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Appleton™ Form 85™ Conduit Bodies: Threaded/SetScrew Type ①

| Hub Size<br>(Inches) | Max. Wire Fill | LB  |                  | Max. Wire Fill | LL  |                  |
|----------------------|----------------|---|------------------|----------------|---|------------------|
|                      |                | Threaded<br>Type  | Setscrew<br>Type |                | Threaded<br>Type  | Setscrew<br>Type |
|                      |                |  |                  |                |  |                  |
| 1/2                  | ②              | LB-50A  | LB-50TA          | ②              | LL-50A  | LL-50TA          |
| 3/4                  | (3) # 6        | LB-75A  | LB-75TA          | (3) # 6        | LL-75A  | LL-75TA          |
| 1                    | (3) # 4        | LB-100A   | LB-100TA         | (3) # 4        | LL-100A   | LL-100TA         |
| 1-1/4                | (3) # 2        | LB-125A   | LB-125TA         | (3) # 2        | LL-125A   | LL-125TA         |
| 1-1/2                | (3) # 1/0      | LB-150A   | LB-150TA         | (3) # 1        | LL-150A   | LL-150TA         |
| 2                    | (3) # 4/0      | LB-200A   | LB-200TA         | (3) # 2/0      | LL-200A   | LL-200TA         |
| 2-1/2                | (3) 300        | LB-250A   | —                | (3) 300        | LL-250A   | —                |
| 3                    | (3) 400        | LB-300A   | —                | (3) 350        | LL-300A   | —                |
| 3-1/2                | (3) 500        | LB-350A   | —                | (3) 350        | LL-350A   | —                |
| 4                    | (3) 500        | LB-400A   | —                | (3) 350        | LL-400A   | —                |

| Hub Size<br>(Inches) | Max. Wire Fill | TB  |                  | Max. Wire Fill | X   |                  |
|----------------------|----------------|---|------------------|----------------|---|------------------|
|                      |                | Threaded<br>Type  | Setscrew<br>Type |                | Threaded<br>Type  | Setscrew<br>Type |
|                      |                |  |                  |                |  |                  |
| 1/2                  | ②              | TB-50A  | —                | ②              | X-50A   | —                |
| 3/4                  | (3) # 6        | TB-75A  | —                | (3) # 6        | X-75A   | —                |
| 1                    | (3) # 6        | TB-100A   | —                | (3) # 4        | X-100A  | —                |
| 1-1/4                | (3) # 6        | TB-125A   | —                | —              | —   | —                |
| 1-1/2                | (3) # 4        | TB-150A   | —                | —              | —   | —                |
| 2                    | (3) # 1/0      | TB-200A   | —                | —              | —   | —                |
| 2-1/2                | —              | —   | —                | —              | —   | —                |
| 3                    | —              | —   | —                | —              | —   | —                |
| 3-1/2                | —              | —   | —                | —              | —   | —                |
| 4                    | —              | —   | —                | —              | —   | —                |

## Back Style for Form 85 Unilet Conduit Body Sizes (Inches)

| Unilet Body      | Flat Back    | Round Back     |
|------------------|--------------|----------------|
| C, LB, LL, LR, T | 1/2 – 2      | 2-1/2 – 4      |
| TB               | 1-1/4, 1-1/2 | 1/2, 3/4, 1, 2 |
| E, X             | 1/2 – 1      | —              |

① Refer to following page for Wiring Capacity Table.







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

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

Covers Furnished with Stainless Steel Fastening Screws.

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Covers and Gaskets

| Body Size (Inches) | Blank Stamped Aluminum ①   | Blank Cast Aluminum   | Neoprene   | Composition Fiber   |
|--------------------|--|---|--|---|
|                    | <br>Domed: 1/2" – 3"  | <br>Flat: 1/2" – 2"    |  |  |
|                    | <br>Flat: 3-1/2" – 6" | <br>Domed: 2-1/2" – 4" | Tear out inner section<br>to convert to "open type" gasket.                        |   |
| 1/2                | K50-A  | K50-CA  | GK50-N   | GK50-V  |
| 3/4                | K75-A  | K75-CA  | GK75-N   | GK75-V  |
| 1                  | K100-A   | K100-CA   | GK100-N  | GK100-V   |
| 1-1/4              | K125-150-A   | K125-150-CA   | GK125-150-N  | GK125-150-V   |
| 1-1/2              | K125-150-A   | K125-150-CA   | GK125-150-N  | GK125-150-V   |
| 2                  | K200-A   | K200-CA   | GK200-N  | GK200-V   |
| 2-1/2              | K250-300-A   | K250-300-CA   | GK250-300-N  | GK-250-300-V  |
| 3                  | K250-300-A   | K250-300-CA   | GK250-300-N  | GK-250-300-V  |
| 3-1/2              | K350-400-A   | K350-400-CA   | GK350-400-N  | GK-350-400-V  |
| 4                  | K350-400-A   | K350-400-CA   | GK350-400-N  | GK-350-400-V  |

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

| Hub Size (Inches) | Capacity — dm <sup>3</sup> (in <sup>3</sup> ) |                 |                  |                    |     |                  |    |                 |                 |                 |                 |
|-------------------|---|-----------------|------------------|--------------------|-----|------------------|----|-----------------|-----------------|-----------------|-----------------|
|                   | C   | E               | LB               | LL LR              | LRL | T                | TA | TB              | X               | Stamped Cover   | Cast Cover      |
| 1/2               | 0.07<br>(4.00)                                | 0.07<br>(4.00)  | 0.07<br>(4.00)   | 0.07<br>(4.00)     | —   | 0.07<br>(4.00)   | —  | 0.10<br>(6.00)  | 0.07<br>(4.00)  | 0.01<br>(0.50)  | 0.00<br>(0.00)  |
| 3/4               | 0.11<br>(7.00)                                | 0.11<br>(7.00)  | 0.11<br>(7.00)   | 0.11<br>(7.00)     | —   | 0.11<br>(7.00)   | —  | 0.11<br>(7.00)  | 0.11<br>(7.00)  | 0.01<br>(0.80)  | 0.00<br>(0.30)  |
| 1                 | 0.19<br>(11.80)                               | 0.19<br>(11.80) | 0.19<br>(11.80)  | 0.19<br>(11.80)    | —   | 0.19<br>(11.80)  | —  | 0.21<br>(13.00) | 0.19<br>(11.80) | 1.00<br>(25.4)  | 0.01<br>(0.50)  |
| 1-1/4             | 0.57<br>(34.80)                               | —               | 0.57<br>(34.80)  | 0.57<br>(34.80)    | —   | 0.57<br>(34.80)  | —  | 0.57<br>(35.00) | —               | 0.04<br>(2.50)  | 0.01<br>(0.80)  |
| 1-1/2             | 0.57<br>(35.00)                               | —               | 0.57<br>(35.00)  | 0.57<br>(35.00)    | —   | 0.57<br>(35.00)  | —  | 0.57<br>(34.50) | —               | 0.04<br>(2.50)  | 0.01<br>(0.80)  |
| 2                 | 1.15<br>(70.00)                               | —               | 1.15<br>(70.00)  | 1.15<br>(70.00)    | —   | 1.15<br>(70.00)  | —  | 1.16<br>(71.00) | —               | 0.11<br>(6.50)  | 0.02<br>(1.00)  |
| 2-1/2             | 2.34<br>(143.00)                              | —               | 2.28<br>(139.00) | 3568.7<br>(140.50) | —   | 2.39<br>(146.00) | —  | —               | —               | 0.29<br>(18.00) | 0.49<br>(30.00) |
| 3                 | 2.95<br>(180.00)                              | —               | 2.90<br>(177.00) | 2.87<br>(175.00)   | —   | 3.03<br>(185.00) | —  | —               | —               | 0.29<br>(18.00) | 0.49<br>(30.00) |
| 3-1/2             | 4.97<br>(303.00)                              | —               | 4.92<br>(300.00) | 4.92<br>(300.00)   | —   | 5.15<br>(314.00) | —  | —               | —               | —               | 0.82<br>(50.00) |
| 4                 | 5.57<br>(340.00)                              | —               | 5.41<br>(330.00) | 5.41<br>(330.00)   | —   | 5.65<br>(345.00) | —  | —               | —               | —               | 0.82<br>(50.00) |

① Add suffix -PVC to catalog number.

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

For Rigid Conduit & IMC.

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/ upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

## Features

- Tapered threaded hubs (NPT).
- Packaged complete with cover and gasket under one Catalog Number.
- Ready to use.

## Standard Materials

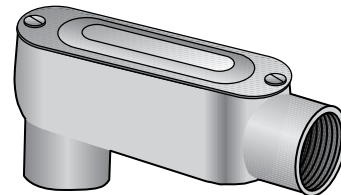
- Conduit Body: copperfree (max. 4/10 of 1%) aluminum
- Cover: **Type BS** copperfree (max. 4/10 of 1%) aluminum
- Gasket: **Type SGN** Neoprene

## Standard Finishes

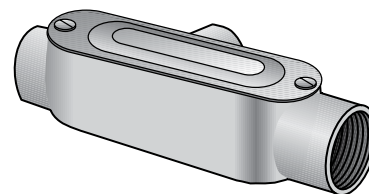
- Conduit Body - epoxy powder coat enamel

## NEC/CEC Certifications and Compliances

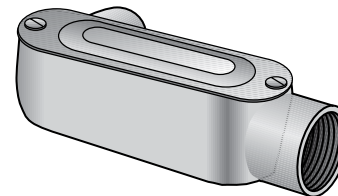
- UL Standards: 514A
- UL Listed: E-18095
- CSA Standard: C22.2 No. 18
- CSA Certified: LR-9795
- NEMA Standard: FB-1, FB-2.10



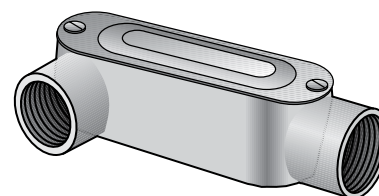
Type LB-ACGA



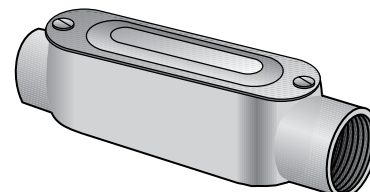
Type T-ACGA



Type LL-ACGA



Type LR-ACGA



Type C-ACGA

APPLETON

COMMERCIAL AND INDUSTRIAL FITTINGS: CONDUIT BODIES

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

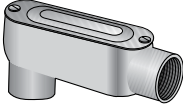
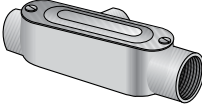
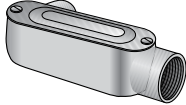
For Rigid Conduit & IMC.



NEC/CEC — Suitable for use in the following

Hazardous Locations:

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

## Appleton™ Form 85™: Complete with Cover

| Hub Size (Inches) | Max. Wire Fill | LB-ACGA   | Max. Wire Fill | T-ACGA   | Max. Wire Fill | LL-ACGA   |
|-------------------|----------------|---|----------------|--|----------------|---|
|                   |                |  |                |  |                |  |
| 1/2               | ①              | <b>LB-50ACGA</b>  | ①              | <b>T-50ACGA</b>  | ①              | <b>LL-50ACGA</b>  |
| 3/4               | (3) # 6        | <b>LB-75ACGA</b>  | (3) # 6        | <b>T-75ACGA</b>  | (3) # 6        | <b>LL-75ACGA</b>  |
| 1                 | (3) # 4        | <b>LB-100ACGA</b>   | (3) # 4        | <b>T-100ACGA</b>   | (3) # 4        | <b>LL-100ACGA</b>   |
| 1-1/4             | (3) # 2        | <b>LB-125ACGA</b>   | (3) # 2        | <b>T-125ACGA</b>   | (3) # 2        | <b>LL-125ACGA</b>   |
| 1-1/2             | (3) # 1/0      | <b>LB-150ACGA</b>   | (3) # 1        | <b>T-150ACGA</b>   | (3) # 1        | <b>LL-150ACGA</b>   |
| 2                 | (3) # 4/0      | <b>LB-200ACGA</b>   | (3) # 2/0      | <b>T-200ACGA</b>   | (3) # 2/0      | <b>LL-200ACGA</b>   |

| Hub Size (Inches) | Max. Wire Fill | LR-ACGA  | Max. Wire Fill | C-ACGA   |
|-------------------|----------------|--|----------------|--|
|                   |                |  |                |  |
| 1/2               | ①              | <b>LR-50ACGA</b>   | ①              | <b>C-50ACGA</b>  |
| 3/4               | (3) # 6        | <b>LR-75ACGA</b>   | (3) # 6        | <b>C-75ACGA</b>  |
| 1                 | (3) # 4        | <b>LR-100ACGA</b>  | (3) # 4        | <b>C-100ACGA</b>   |
| 1-1/4             | (3) # 2        | <b>LR-125ACGA</b>  | (3) # 2        | <b>C-125ACGA</b>   |
| 1-1/2             | (3) # 1        | <b>LR-150ACGA</b>  | (3) # 1/0      | <b>C-150ACGA</b>   |
| 2                 | (3) # 2/0      | <b>LR-200ACGA</b>  | (3) # 3/0      | <b>C-200ACGA</b>   |

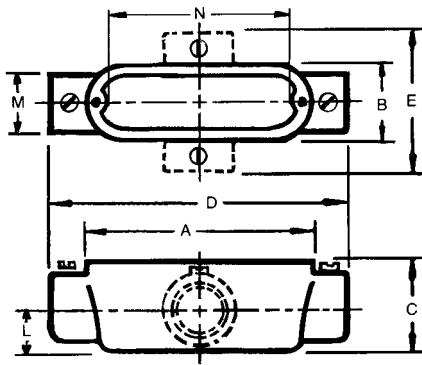
① All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

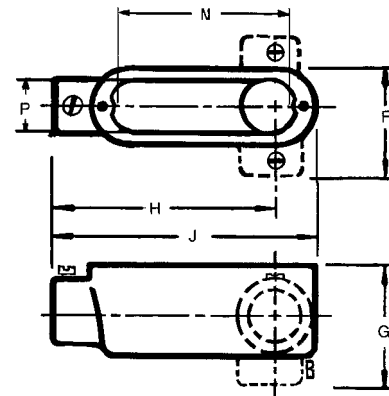
Threaded Type for use with Rigid Metal Conduit and IMC; Setscrew Type for use with Electrical Metallic Tubing (EMT).

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Dimensions in Millimeters (Inches)



Types C, T, X



Types E, LB, LL, LR

| Hub Size<br>(Inches) | Dimensions In Millimeters (Inches) |                 |                 |                  |                |                 |                 |                  |                  |                |                 |                  |                 |  |
|----------------------|------------------------------------|-----------------|-----------------|------------------|----------------|-----------------|-----------------|------------------|------------------|----------------|-----------------|------------------|-----------------|--|
|                      | A                                  | B               | C               | D                | E              | F               | G               | H                | J                | L              | M               | N                | P               |  |
| <b>Pressure Cast</b> |                                    |                 |                 |                  |                |                 |                 |                  |                  |                |                 |                  |                 |  |
| 1/2                  | 100.1<br>(3.94)                    | 33.3<br>(1.31)  | 35.1<br>(1.38)  | 120.7<br>(4.75)  | 65.0<br>(2.56) | 50.8<br>(2.00)  | 52.3<br>(2.06)  | 88.9<br>(3.50)   | 109.5<br>(4.31)  | 16.0<br>(0.63) | 28.7<br>(1.13)  | 79.8<br>(3.14)   | 26.7<br>(1.05)  |  |
| 3/4                  | 117.6<br>(4.63)                    | 39.6<br>(1.56)  | 41.4<br>(1.63)  | 143.0<br>(5.63)  | 76.2<br>(3.00) | 57.2<br>(2.25)  | 62.0<br>(2.44)  | 104.9<br>(4.13)  | 130.3<br>(5.13)  | 19.1<br>(0.75) | 35.1<br>(1.38)  | 96.0<br>(3.78)   | 32.3<br>(1.27)  |  |
| 1                    | 136.7<br>(5.38)                    | 46.0<br>(1.81)  | 47.8<br>(1.88)  | 169.9<br>(6.69)  | 88.9<br>(3.50) | 66.8<br>(2.63)  | 71.4<br>(2.81)  | 124.0<br>(4.88)  | 152.4<br>(6.00)  | 23.9<br>(0.94) | 42.9<br>(1.69)  | 114.3<br>(4.50)  | 38.6<br>(1.52)  |  |
| 1-1/4                | 182.6<br>(7.19)                    | 63.5<br>(2.50)  | 69.9<br>(2.75)  | 217.4<br>(8.56)  | —              | 88.9<br>(3.50)  | 98.6<br>(3.88)  | 166.6<br>(6.56)  | 200.2<br>(7.88)  | 26.9<br>(1.06) | 54.1<br>(2.13)  | 152.4<br>(6.00)  | 57.2<br>(2.25)  |  |
| 1-1/2                | 182.6<br>(7.19)                    | 63.5<br>(2.50)  | 69.9<br>(2.75)  | 217.4<br>(8.56)  | —              | 88.9<br>(3.50)  | 96.8<br>(3.81)  | 163.6<br>(6.44)  | 200.2<br>(7.88)  | 30.2<br>(1.19) | 60.5<br>(2.38)  | 152.4<br>(6.00)  | 57.2<br>(2.25)  |  |
| 2                    | 241.3<br>(9.50)                    | 79.5<br>(3.13)  | 87.4<br>(3.44)  | 274.6<br>(10.81) | —              | 106.4<br>(4.19) | 115.8<br>(4.56) | 211.1<br>(8.31)  | 258.8<br>(10.19) | 38.1<br>(1.50) | 74.7<br>(2.94)  | 204.7<br>(8.06)  | 69.9<br>(2.75)  |  |
| <b>Sand Cast</b>     |                                    |                 |                 |                  |                |                 |                 |                  |                  |                |                 |                  |                 |  |
| 2-1/2                | 311.2<br>(12.25)                   | 109.5<br>(4.31) | 98.6<br>(3.88)  | 384.3<br>(15.13) | —              | 146.1<br>(5.75) | 133.4<br>(5.25) | 301.8<br>(11.88) | 347.7<br>(13.69) | 46.0<br>(1.81) | 85.9<br>(3.38)  | 270.0<br>(10.63) | 93.7<br>(3.69)  |  |
| 3                    | 311.2<br>(12.25)                   | 109.5<br>(4.31) | 117.6<br>(4.63) | 384.3<br>(15.13) | —              | 146.1<br>(5.75) | 152.4<br>(6.00) | 293.6<br>(11.56) | 347.7<br>(13.69) | 55.6<br>(2.19) | 104.9<br>(4.13) | 270.0<br>(10.63) | 93.7<br>(3.69)  |  |
| 3-1/2                | 378.0<br>(14.88)                   | 139.7<br>(5.50) | 131.8<br>(5.19) | 460.5<br>(18.13) | —              | 181.1<br>(7.13) | 173.0<br>(6.81) | 355.6<br>(14.00) | 419.1<br>(16.50) | 63.5<br>(2.50) | 120.7<br>(4.75) | 333.5<br>(13.13) | 124.0<br>(4.88) |  |
| 4                    | 378.0<br>(14.88)                   | 139.7<br>(5.50) | 141.2<br>(5.56) | 460.5<br>(18.13) | —              | 181.1<br>(7.13) | 182.6<br>(7.19) | 349.3<br>(13.75) | 419.1<br>(16.50) | 69.9<br>(2.75) | 130.3<br>(5.13) | 333.5<br>(13.13) | 124.0<br>(4.88) |  |

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

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

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## 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

- Roomy interiors: more wiring space.
- Smooth, rounded integral bushings in hubs protect conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and excellent ground continuity.
- Form 85 copperfree aluminum Unilets™ are lightweight, self-oxidizing, self-renewing and offer a high corrosion resistance.
- Lightweight aluminum facilitates shipping, handling and installing.
- Sizes with flat-back design ideal where fitting is mounted flat against surface.
- 1/2" to 3" blank covers are domed for extra wiring space.

## Standard Materials

- Bodies: copperfree (max. 4/10 of 1%) aluminum
  - 1/2" thru 2": pressure cast
  - 2-1/2" thru 4": sand cast
- Blank covers: malleable iron, steel or copperfree (max. 4/10 of 1%) aluminum
- Cover screws: stainless steel
- Gaskets: neoprene or composition fiber

## Standard Finishes

- Aluminum bodies: epoxy powder coat
- Stamped aluminum covers: natural finish
- Cast aluminum covers: epoxy powder coat

## Options

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

## NEC/CEC Certifications and Compliances

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

## Related Products

- For explosionproof conduit outlet bodies and boxes, see *Enclosures and Junction Boxes in Protection and Control of Electrical Apparatus and Circuits Catalog*.



Conduit Body with Stamped Aluminum Cover. 2" Type C shown.



Typical Form 85 Conduit Bodies with Setscrews.  
For use with Electrical Metallic Tubing (EMT).







# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

Threaded Type for use with Rigid Metal Conduit and IMC; Setscrew Type for use with Electrical Metallic Tubing (EMT).

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Appleton™ Form 85™ Conduit Bodies: Threaded/SetScrew Type ①

| Hub Size<br>(Inches) | Max. Wire Fill | C   |                  | Max. Wire Fill  | E                |                  |
|----------------------|----------------|---|------------------|---|------------------|------------------|
|                      |                | Threaded<br>Type  | Setscrew<br>Type |   | Threaded<br>Type | Setscrew<br>Type |
|                      |                |  |                  |  |                  |                  |
| 1/2                  | ②              | C-50A   | C-50TA           | ②   | E-50A            | E-50TA           |
| 3/4                  | (3) # 6        | C-75A   | C-75TA           | (3) # 6   | E-75A            | —                |
| 1                    | (3) # 4        | C-100A  | C-100TA          | (3) #6  | E-100A           | —                |
| 1-1/4                | (3) # 2        | C-125A  | C-125TA          | —   | —                | —                |
| 1-1/2                | (3) # 1/0      | C-150A  | C-150TA          | —   | —                | —                |
| 2                    | (3) # 3/0      | C-200A  | —                | —   | —                | —                |
| 2-1/2                | (3) 300        | C-250A  | —                | —   | —                | —                |
| 3                    | (3) 300        | C-300A  | —                | —   | —                | —                |
| 3-1/2                | (3) 350        | C-350A  | —                | —   | —                | —                |
| 4                    | (3) 350        | C-400A  | —                | —   | —                | —                |

| Hub Size<br>(Inches) | Max. Wire Fill | LR  |                  | Max. Wire Fill  | T                |                  |
|----------------------|----------------|---|------------------|---|------------------|------------------|
|                      |                | Threaded<br>Type  | Setscrew<br>Type |   | Threaded<br>Type | Setscrew<br>Type |
|                      |                |  |                  |  |                  |                  |
| 1/2                  | ②              | LR-50A  | LR-50TA          | ②   | T-50A            | T-50TA           |
| 3/4                  | (3) # 6        | LR-75A  | LR-75TA          | (3) # 6   | T-75A            | T-75TA           |
| 1                    | (3) # 4        | LR-100A   | LR-100TA         | (3) # 4   | T-100A           | T-100TA          |
| 1-1/4                | (3) # 2        | LR-125A   | LR-125TA         | (3) # 2   | T-125A           | —                |
| 1-1/2                | (3) # 1        | LR-150A   | LR-150TA         | (3) # 1   | T-150A           | —                |
| 2                    | (3) # 2/0      | LR-200A   | LR-200TA         | (3) # 2/0   | T-200A           | —                |
| 2-1/2                | (3) 300        | LR-250A   | —                | (3) 300   | T-250A           | —                |
| 3                    | (3) 350        | LR-300A   | —                | (3) 300   | T-300A           | —                |
| 3-1/2                | (3) 350        | LR-350A   | —                | (3) 350   | T-350A           | —                |
| 4                    | (3) 350        | LR-400A   | —                | (3) 350   | T-400A           | —                |

① Refer to following page for Wiring Capacity Table.



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

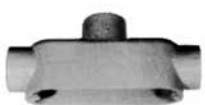

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

Threaded Type for use with Rigid Metal Conduit and IMC; Setscrew Type for use with Electrical Metallic Tubing (EMT).

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Appleton™ Form 85™ Conduit Bodies: Threaded/SetScrew Type ①

| Hub Size (Inches) | Max. Wire Fill | LB  |               | Max. Wire Fill | LL  |               |
|-------------------|----------------|---|---------------|----------------|---|---------------|
|                   |                | Threaded Type   | Setscrew Type |                | Threaded Type   | Setscrew Type |
|                   |                |  |               |                |  |               |
| 1/2               | ②              | LB-50A  | LB-50TA       | ②              | LL-50A  | LL-50TA       |
| 3/4               | (3) # 6        | LB-75A  | LB-75TA       | (3) # 6        | LL-75A  | LL-75TA       |
| 1                 | (3) # 4        | LB-100A   | LB-100TA      | (3) # 4        | LL-100A   | LL-100TA      |
| 1-1/4             | (3) # 2        | LB-125A   | LB-125TA      | (3) # 2        | LL-125A   | LL-125TA      |
| 1-1/2             | (3) # 1/0      | LB-150A   | LB-150TA      | (3) # 1        | LL-150A   | LL-150TA      |
| 2                 | (3) # 4/0      | LB-200A   | LB-200TA      | (3) # 2/0      | LL-200A   | LL-200TA      |
| 2-1/2             | (3) 300        | LB-250A   | —             | (3) 300        | LL-250A   | —             |
| 3                 | (3) 400        | LB-300A   | —             | (3) 350        | LL-300A   | —             |
| 3-1/2             | (3) 500        | LB-350A   | —             | (3) 350        | LL-350A   | —             |
| 4                 | (3) 500        | LB-400A   | —             | (3) 350        | LL-400A   | —             |

| Hub Size (Inches) | Max. Wire Fill | TB  |               | Max. Wire Fill | X   |               |
|-------------------|----------------|---|---------------|----------------|---|---------------|
|                   |                | Threaded Type   | Setscrew Type |                | Threaded Type   | Setscrew Type |
|                   |                |  |               |                |  |               |
| 1/2               | ②              | TB-50A  | —             | ②              | X-50A   | —             |
| 3/4               | (3) # 6        | TB-75A  | —             | (3) # 6        | X-75A   | —             |
| 1                 | (3) # 6        | TB-100A   | —             | (3) # 4        | X-100A  | —             |
| 1-1/4             | (3) # 6        | TB-125A   | —             | —              | —   | —             |
| 1-1/2             | (3) # 4        | TB-150A   | —             | —              | —   | —             |
| 2                 | (3) # 1/0      | TB-200A   | —             | —              | —   | —             |
| 2-1/2             | —              | —   | —             | —              | —   | —             |
| 3                 | —              | —   | —             | —              | —   | —             |
| 3-1/2             | —              | —   | —             | —              | —   | —             |
| 4                 | —              | —   | —             | —              | —   | —             |

## Back Style for Form 85 Unilet Conduit Body Sizes (Inches)

| Unilet Body      | Flat Back    | Round Back     |
|------------------|--------------|----------------|
| C, LB, LL, LR, T | 1/2 – 2      | 2-1/2 – 4      |
| TB               | 1-1/4, 1-1/2 | 1/2, 3/4, 1, 2 |
| E, X             | 1/2 – 1      | —              |

① Refer to following page for Wiring Capacity Table.







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

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

Covers Furnished with Stainless Steel Fastening Screws.

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Covers and Gaskets

| Body Size (Inches) | Blank Stamped Aluminum ①   | Blank Cast Aluminum   | Neoprene   | Composition Fiber   |
|--------------------|--|---|--|---|
|                    | <br>Domed: 1/2" – 3"  | <br>Flat: 1/2" – 2"    |  |  |
|                    | <br>Flat: 3-1/2" – 6" | <br>Domed: 2-1/2" – 4" | Tear out inner section<br>to convert to "open type" gasket.                        |   |
| 1/2                | K50-A  | K50-CA  | GK50-N   | GK50-V  |
| 3/4                | K75-A  | K75-CA  | GK75-N   | GK75-V  |
| 1                  | K100-A   | K100-CA   | GK100-N  | GK100-V   |
| 1-1/4              | K125-150-A   | K125-150-CA   | GK125-150-N  | GK125-150-V   |
| 1-1/2              | K125-150-A   | K125-150-CA   | GK125-150-N  | GK125-150-V   |
| 2                  | K200-A   | K200-CA   | GK200-N  | GK200-V   |
| 2-1/2              | K250-300-A   | K250-300-CA   | GK250-300-N  | GK-250-300-V  |
| 3                  | K250-300-A   | K250-300-CA   | GK250-300-N  | GK-250-300-V  |
| 3-1/2              | K350-400-A   | K350-400-CA   | GK350-400-N  | GK-350-400-V  |
| 4                  | K350-400-A   | K350-400-CA   | GK350-400-N  | GK-350-400-V  |

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

| Hub Size (Inches) | Capacity — dm <sup>3</sup> (in <sup>3</sup> ) |                 |                  |                    |     |                  |    |                 |                 |                 |                 |
|-------------------|---|-----------------|------------------|--------------------|-----|------------------|----|-----------------|-----------------|-----------------|-----------------|
|                   | C   | E               | LB               | LL LR              | LRL | T                | TA | TB              | X               | Stamped Cover   | Cast Cover      |
| 1/2               | 0.07<br>(4.00)                                | 0.07<br>(4.00)  | 0.07<br>(4.00)   | 0.07<br>(4.00)     | —   | 0.07<br>(4.00)   | —  | 0.10<br>(6.00)  | 0.07<br>(4.00)  | 0.01<br>(0.50)  | 0.00<br>(0.00)  |
| 3/4               | 0.11<br>(7.00)                                | 0.11<br>(7.00)  | 0.11<br>(7.00)   | 0.11<br>(7.00)     | —   | 0.11<br>(7.00)   | —  | 0.11<br>(7.00)  | 0.11<br>(7.00)  | 0.01<br>(0.80)  | 0.00<br>(0.30)  |
| 1                 | 0.19<br>(11.80)                               | 0.19<br>(11.80) | 0.19<br>(11.80)  | 0.19<br>(11.80)    | —   | 0.19<br>(11.80)  | —  | 0.21<br>(13.00) | 0.19<br>(11.80) | 1.00<br>(25.4)  | 0.01<br>(0.50)  |
| 1-1/4             | 0.57<br>(34.80)                               | —               | 0.57<br>(34.80)  | 0.57<br>(34.80)    | —   | 0.57<br>(34.80)  | —  | 0.57<br>(35.00) | —               | 0.04<br>(2.50)  | 0.01<br>(0.80)  |
| 1-1/2             | 0.57<br>(35.00)                               | —               | 0.57<br>(35.00)  | 0.57<br>(35.00)    | —   | 0.57<br>(35.00)  | —  | 0.57<br>(34.50) | —               | 0.04<br>(2.50)  | 0.01<br>(0.80)  |
| 2                 | 1.15<br>(70.00)                               | —               | 1.15<br>(70.00)  | 1.15<br>(70.00)    | —   | 1.15<br>(70.00)  | —  | 1.16<br>(71.00) | —               | 0.11<br>(6.50)  | 0.02<br>(1.00)  |
| 2-1/2             | 2.34<br>(143.00)                              | —               | 2.28<br>(139.00) | 3568.7<br>(140.50) | —   | 2.39<br>(146.00) | —  | —               | —               | 0.29<br>(18.00) | 0.49<br>(30.00) |
| 3                 | 2.95<br>(180.00)                              | —               | 2.90<br>(177.00) | 2.87<br>(175.00)   | —   | 3.03<br>(185.00) | —  | —               | —               | 0.29<br>(18.00) | 0.49<br>(30.00) |
| 3-1/2             | 4.97<br>(303.00)                              | —               | 4.92<br>(300.00) | 4.92<br>(300.00)   | —   | 5.15<br>(314.00) | —  | —               | —               | —               | 0.82<br>(50.00) |
| 4                 | 5.57<br>(340.00)                              | —               | 5.41<br>(330.00) | 5.41<br>(330.00)   | —   | 5.65<br>(345.00) | —  | —               | —               | —               | 0.82<br>(50.00) |

① Add suffix -PVC to catalog number.

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

For Rigid Conduit & IMC.

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Applications

- To provide access to conductors for pulling, splicing, maintenance and future changes/ upgrades.
- Allows connection of straight conduit runs, branch conduit runs and 90° bends.

## Features

- Tapered threaded hubs (NPT).
- Packaged complete with cover and gasket under one Catalog Number.
- Ready to use.

## Standard Materials

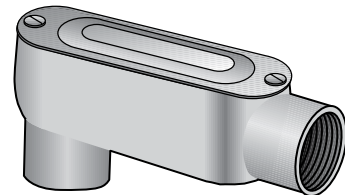
- Conduit Body: copperfree (max. 4/10 of 1%) aluminum
- Cover: **Type BS** copperfree (max. 4/10 of 1%) aluminum
- Gasket: **Type SGN** Neoprene

## Standard Finishes

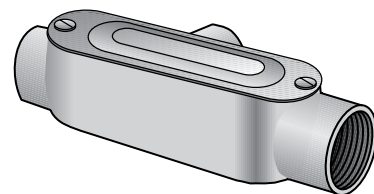
- Conduit Body - epoxy powder coat enamel

## NEC/CEC Certifications and Compliances

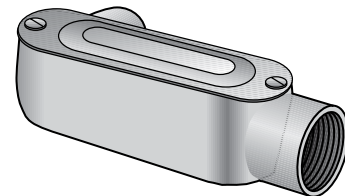
- UL Standards: 514A
- UL Listed: E-18095
- CSA Standard: C22.2 No. 18
- CSA Certified: LR-9795
- NEMA Standard: FB-1, FB-2.10



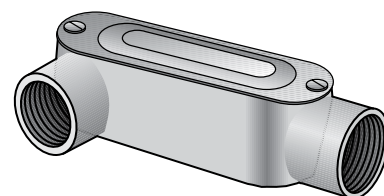
Type LB-ACGA



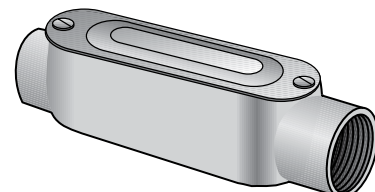
Type T-ACGA



Type LL-ACGA



Type LR-ACGA



Type C-ACGA

APPLETON

COMMERCIAL AND INDUSTRIAL FITTINGS: CONDUIT BODIES

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

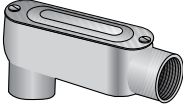
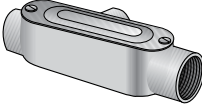
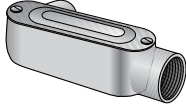
For Rigid Conduit & IMC.



NEC/CEC — Suitable for use in the following

Hazardous Locations:

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

## Appleton™ Form 85™: Complete with Cover

| Hub Size (Inches) | Max. Wire Fill | LB-ACGA   | Max. Wire Fill | T-ACGA   | Max. Wire Fill | LL-ACGA   |
|-------------------|----------------|---|----------------|--|----------------|---|
|                   |                |  |                |  |                |  |
| 1/2               | ①              | <b>LB-50ACGA</b>  | ①              | <b>T-50ACGA</b>  | ①              | <b>LL-50ACGA</b>  |
| 3/4               | (3) # 6        | <b>LB-75ACGA</b>  | (3) # 6        | <b>T-75ACGA</b>  | (3) # 6        | <b>LL-75ACGA</b>  |
| 1                 | (3) # 4        | <b>LB-100ACGA</b>   | (3) # 4        | <b>T-100ACGA</b>   | (3) # 4        | <b>LL-100ACGA</b>   |
| 1-1/4             | (3) # 2        | <b>LB-125ACGA</b>   | (3) # 2        | <b>T-125ACGA</b>   | (3) # 2        | <b>LL-125ACGA</b>   |
| 1-1/2             | (3) # 1/0      | <b>LB-150ACGA</b>   | (3) # 1        | <b>T-150ACGA</b>   | (3) # 1        | <b>LL-150ACGA</b>   |
| 2                 | (3) # 4/0      | <b>LB-200ACGA</b>   | (3) # 2/0      | <b>T-200ACGA</b>   | (3) # 2/0      | <b>LL-200ACGA</b>   |

| Hub Size (Inches) | Max. Wire Fill | LR-ACGA  | Max. Wire Fill | C-ACGA   |
|-------------------|----------------|--|----------------|--|
|                   |                |  |                |  |
| 1/2               | ①              | <b>LR-50ACGA</b>   | ①              | <b>C-50ACGA</b>  |
| 3/4               | (3) # 6        | <b>LR-75ACGA</b>   | (3) # 6        | <b>C-75ACGA</b>  |
| 1                 | (3) # 4        | <b>LR-100ACGA</b>  | (3) # 4        | <b>C-100ACGA</b>   |
| 1-1/4             | (3) # 2        | <b>LR-125ACGA</b>  | (3) # 2        | <b>C-125ACGA</b>   |
| 1-1/2             | (3) # 1        | <b>LR-150ACGA</b>  | (3) # 1/0      | <b>C-150ACGA</b>   |
| 2                 | (3) # 2/0      | <b>LR-200ACGA</b>  | (3) # 3/0      | <b>C-200ACGA</b>   |

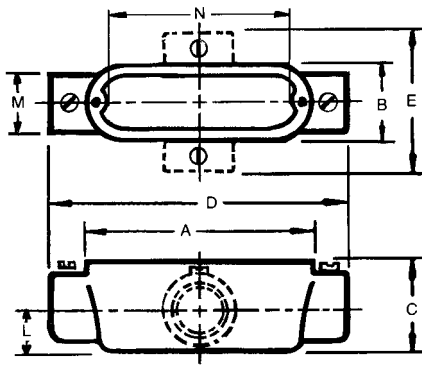
① All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.

# Form 85™ Unilets™ Conduit Outlet Bodies, Covers and Gaskets

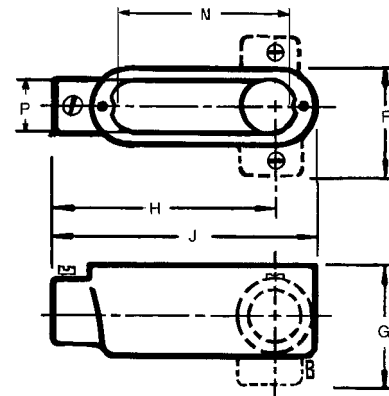
Threaded Type for use with Rigid Metal Conduit and IMC; Setscrew Type for use with Electrical Metallic Tubing (EMT).

NEC/CEC — Suitable for use in the following  
Hazardous Locations:  
Class I, Division 2 per NEC 501.10(B)(4)

## Dimensions in Millimeters (Inches)



Types C, T, X



Types E, LB, LL, LR

| Hub Size<br>(Inches) | Dimensions In Millimeters (Inches) |                 |                 |                  |                |                 |                 |                  |                  |                |                 |                  |                 |  |
|----------------------|------------------------------------|-----------------|-----------------|------------------|----------------|-----------------|-----------------|------------------|------------------|----------------|-----------------|------------------|-----------------|--|
|                      | A                                  | B               | C               | D                | E              | F               | G               | H                | J                | L              | M               | N                | P               |  |
| <b>Pressure Cast</b> |                                    |                 |                 |                  |                |                 |                 |                  |                  |                |                 |                  |                 |  |
| 1/2                  | 100.1<br>(3.94)                    | 33.3<br>(1.31)  | 35.1<br>(1.38)  | 120.7<br>(4.75)  | 65.0<br>(2.56) | 50.8<br>(2.00)  | 52.3<br>(2.06)  | 88.9<br>(3.50)   | 109.5<br>(4.31)  | 16.0<br>(0.63) | 28.7<br>(1.13)  | 79.8<br>(3.14)   | 26.7<br>(1.05)  |  |
| 3/4                  | 117.6<br>(4.63)                    | 39.6<br>(1.56)  | 41.4<br>(1.63)  | 143.0<br>(5.63)  | 76.2<br>(3.00) | 57.2<br>(2.25)  | 62.0<br>(2.44)  | 104.9<br>(4.13)  | 130.3<br>(5.13)  | 19.1<br>(0.75) | 35.1<br>(1.38)  | 96.0<br>(3.78)   | 32.3<br>(1.27)  |  |
| 1                    | 136.7<br>(5.38)                    | 46.0<br>(1.81)  | 47.8<br>(1.88)  | 169.9<br>(6.69)  | 88.9<br>(3.50) | 66.8<br>(2.63)  | 71.4<br>(2.81)  | 124.0<br>(4.88)  | 152.4<br>(6.00)  | 23.9<br>(0.94) | 42.9<br>(1.69)  | 114.3<br>(4.50)  | 38.6<br>(1.52)  |  |
| 1-1/4                | 182.6<br>(7.19)                    | 63.5<br>(2.50)  | 69.9<br>(2.75)  | 217.4<br>(8.56)  | —              | 88.9<br>(3.50)  | 98.6<br>(3.88)  | 166.6<br>(6.56)  | 200.2<br>(7.88)  | 26.9<br>(1.06) | 54.1<br>(2.13)  | 152.4<br>(6.00)  | 57.2<br>(2.25)  |  |
| 1-1/2                | 182.6<br>(7.19)                    | 63.5<br>(2.50)  | 69.9<br>(2.75)  | 217.4<br>(8.56)  | —              | 88.9<br>(3.50)  | 96.8<br>(3.81)  | 163.6<br>(6.44)  | 200.2<br>(7.88)  | 30.2<br>(1.19) | 60.5<br>(2.38)  | 152.4<br>(6.00)  | 57.2<br>(2.25)  |  |
| 2                    | 241.3<br>(9.50)                    | 79.5<br>(3.13)  | 87.4<br>(3.44)  | 274.6<br>(10.81) | —              | 106.4<br>(4.19) | 115.8<br>(4.56) | 211.1<br>(8.31)  | 258.8<br>(10.19) | 38.1<br>(1.50) | 74.7<br>(2.94)  | 204.7<br>(8.06)  | 69.9<br>(2.75)  |  |
| <b>Sand Cast</b>     |                                    |                 |                 |                  |                |                 |                 |                  |                  |                |                 |                  |                 |  |
| 2-1/2                | 311.2<br>(12.25)                   | 109.5<br>(4.31) | 98.6<br>(3.88)  | 384.3<br>(15.13) | —              | 146.1<br>(5.75) | 133.4<br>(5.25) | 301.8<br>(11.88) | 347.7<br>(13.69) | 46.0<br>(1.81) | 85.9<br>(3.38)  | 270.0<br>(10.63) | 93.7<br>(3.69)  |  |
| 3                    | 311.2<br>(12.25)                   | 109.5<br>(4.31) | 117.6<br>(4.63) | 384.3<br>(15.13) | —              | 146.1<br>(5.75) | 152.4<br>(6.00) | 293.6<br>(11.56) | 347.7<br>(13.69) | 55.6<br>(2.19) | 104.9<br>(4.13) | 270.0<br>(10.63) | 93.7<br>(3.69)  |  |
| 3-1/2                | 378.0<br>(14.88)                   | 139.7<br>(5.50) | 131.8<br>(5.19) | 460.5<br>(18.13) | —              | 181.1<br>(7.13) | 173.0<br>(6.81) | 355.6<br>(14.00) | 419.1<br>(16.50) | 63.5<br>(2.50) | 120.7<br>(4.75) | 333.5<br>(13.13) | 124.0<br>(4.88) |  |
| 4                    | 378.0<br>(14.88)                   | 139.7<br>(5.50) | 141.2<br>(5.56) | 460.5<br>(18.13) | —              | 181.1<br>(7.13) | 182.6<br>(7.19) | 349.3<br>(13.75) | 419.1<br>(16.50) | 69.9<br>(2.75) | 130.3<br>(5.13) | 333.5<br>(13.13) | 124.0<br>(4.88) |  |