

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).

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

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

Hub Size (Inches)	Max. Wire Fill	C		Max. Wire Fill	E	
		Threaded Type	Setscrew Type		Threaded Type	Setscrew 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 (Inches)	Max. Wire Fill	LR		Max. Wire Fill	T	
		Threaded Type	Setscrew Type		Threaded Type	Setscrew 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.

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Covers Furnished with Stainless Steel Fastening Screws.

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Covers and Gaskets

Body Size (Inches)	Blank Stamped Aluminum ①	Blank Cast Aluminum	Neoprene	Composition Fiber
	 Domed: 1/2" – 3"	 Flat: 1/2" – 2"		
	 Flat: 3-1/2" – 6"	 Domed: 2-1/2" – 4"	Tear out inner section 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)	C	E	LB	LL LR	LRL	Capacity — dm ³ (in ³)		TB	X	Stamped Cover	Cast Cover
						T	TA				
1/2	0.07 (4.00)	0.07 (4.00)	0.07 (4.00)	0.07 (4.00)	—	0.07 (4.00)	—	0.10 (6.00)	0.07 (4.00)	0.01 (0.50)	0.00 (0.00)
3/4	0.11 (7.00)	0.11 (7.00)	0.11 (7.00)	0.11 (7.00)	—	0.11 (7.00)	—	0.11 (7.00)	0.11 (7.00)	0.01 (0.80)	0.00 (0.30)
1	0.19 (11.80)	0.19 (11.80)	0.19 (11.80)	0.19 (11.80)	—	0.19 (11.80)	—	0.21 (13.00)	0.19 (11.80)	1.00 (25.4)	0.01 (0.50)
1-1/4	0.57 (34.80)	—	0.57 (34.80)	0.57 (34.80)	—	0.57 (34.80)	—	0.57 (35.00)	—	0.04 (2.50)	0.01 (0.80)
1-1/2	0.57 (35.00)	—	0.57 (35.00)	0.57 (35.00)	—	0.57 (35.00)	—	0.57 (34.50)	—	0.04 (2.50)	0.01 (0.80)
2	1.15 (70.00)	—	1.15 (70.00)	1.15 (70.00)	—	1.15 (70.00)	—	1.16 (71.00)	—	0.11 (6.50)	0.02 (1.00)
2-1/2	2.34 (143.00)	—	2.28 (139.00)	3568.7 (140.50)	—	2.39 (146.00)	—	—	—	0.29 (18.00)	0.49 (30.00)
3	2.95 (180.00)	—	2.90 (177.00)	2.87 (175.00)	—	3.03 (185.00)	—	—	—	0.29 (18.00)	0.49 (30.00)
3-1/2	4.97 (303.00)	—	4.92 (300.00)	4.92 (300.00)	—	5.15 (314.00)	—	—	—	—	0.82 (50.00)
4	5.57 (340.00)	—	5.41 (330.00)	5.41 (330.00)	—	5.65 (345.00)	—	—	—	—	0.82 (50.00)

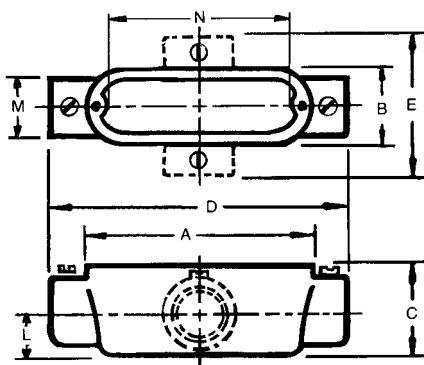
① Add suffix -PVC to catalog number.

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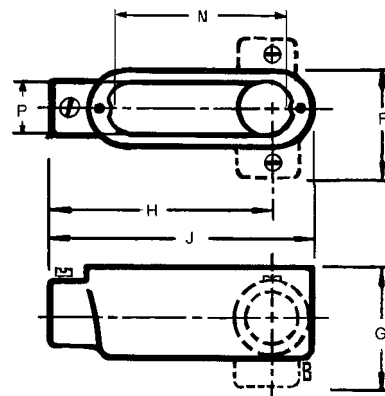
Threaded Type for use with Rigid Metal Conduit and IMC; Setscrew Type for use with Electrical Metallic Tubing (EMT).

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Dimensions in Millimeters (Inches)



Types C, T, X



Types E, LB, LL, LR

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