

# Form 35™ Malleable Iron 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)

## 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.
- Form 35™ malleable iron Unilets™: high tensile strength and ductility. High corrosion-resistance, high impact and shock resistance.
- Exclusive built-in easy-pulling rollers in type C (1-1/4" thru 4") and type LB (1-1/4" thru 4"): eliminate damage when cable is pulled through hubs.
- 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: malleable iron
- Blank covers: malleable iron, steel or aluminum
- Cover screws: stainless steel
- Gaskets: neoprene or composition fiber

## Standard Finishes

- Malleable iron bodies and covers: triple-coat — (1) zinc electroplate, (2) chromate, and (3) epoxy powder coat
- Steel covers: zinc electroplate

## 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*.



2" Type LB with rollers shown

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## Threaded Type Conduit Bodies

Hub Size (Inches)	Max. Wire Fill	C	Max. Wire Fill	E	Max. Wire Fill	LB
						
1/2	①	<b>C-50M</b>	①	<b>E-50M</b>	①	<b>LB-50M</b>
3/4	(3) # 6	<b>C-75M</b>	(3) # 6	<b>E-75M</b>	(3) # 6	<b>LB-75M</b>
1	(3) # 4	<b>C-100M</b>	(3) # 4	<b>E-100M</b>	(3) # 4	<b>LB-100M</b>
1-1/4	(3) # 2	<b>C-125M</b> ②	(3) # 2	<b>E-125M</b>	(3) # 2	<b>LB-125M</b> ②
1-1/2	(3) # 1/0	<b>C-150M</b> ②	(3) # 1/0	<b>E-150M</b>	(3) # 1/0	<b>LB-150M</b> ②
2	(3) # 4/0	<b>C-200M</b> ②	—	—	(3) # 4/0	<b>LB-200M</b> ②
2-1/2	(3) 300	<b>C-250M</b> ②	—	—	(3) 300	<b>LB-250M</b> ②
3	(3) 300	<b>C-300M</b> ②	—	—	(3) 400	<b>LB-300M</b> ②
3-1/2	(3) 350	<b>C-350M</b> ②	—	—	(3) 500	<b>LB-350M</b> ②
4	(3) 350	<b>C-400M</b> ②	—	—	(3) 500	<b>LB-400M</b> ②
5	—	—	—	—	(3) 600	<b>LB-500M</b>

Hub Size (Inches)	Max. Wire Fill	LRL ③	Max. Wire Fill	T	Max. Wire Fill	TA
						
1/2	①	<b>LRL-50M</b>	①	<b>T-50M</b>	①	<b>TA-50M</b>
3/4	(3) # 6	<b>LRL-75M</b>	(3) # 6	<b>T-75M</b>	(3) # 6	<b>TA-75M</b>
1	(3) # 4	<b>LRL-100M</b>	(3) # 6	<b>T-100M</b>	(3) # 4	<b>TA-100M</b>
1-1/4	(3) # 2	<b>LRL-125M</b>	(3) # 6	<b>T-125M</b>	—	—
1-1/2	(3) # 1/0	<b>LRL-150M</b>	(3) # 4	<b>T-150M</b>	—	—
2	(3) # 4/0	<b>LRL-200M</b>	(3) # 1/0	<b>T-200M</b>	—	—
2-1/2	—	—	(3) 300	<b>T-250M</b>	—	—
3	—	—	(3) 300	<b>T-300M</b>	—	—
3-1/2	—	—	(3) 350	<b>T-350M</b>	—	—
4	—	—	(3) 350	<b>T-400M</b>	—	—

① All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.  
② Catalog numbers having roller feature, all others do not.  
③ LRL Unilets have double opening and are furnished with one steel cover, assembled.

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## Threaded Type Conduit Bodies

Hub Size (Inches)	Max. Wire Fill	LL	Max. Wire Fill	LR
				
1/2	①	LL-50M	①	LR-50M
3/4	(3) # 6	LL-75M	(3) # 6	LR-75M
1	(3) # 4	LL-100M	(3) # 4	LR-100M
1-1/4	(3) # 2	LL-125M	(3) # 2	LR-125M
1-1/2	(3) # 1/0	LL-150M	(3) # 1/0	LR-150M
2	(3) # 4/0	LL-200M	(3) # 4/0	LR-200M
2-1/2	(3) 300	LL-250M	(3) 300	LR-250M
3	(3) 350	LL-300M	(3) 350	LR-300M
3-1/2	(3) 350	LL-350M	(3) 350	LR-350M
4	(3) 350	LL-400M	(3) 350	LR-400M
5	—	—	—	—
6	—	—	—	—

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

### Back Style for Form 35™ Unilet Conduit Body Sizes (Inches)

Unilet Body	Flat Back	Round Back	Unilet Body	Flat Back	Round Back
C, LB	1/2 – 2	2-1/2 and up	TB	1/2 – 1-1/2	1/2, 3/4, 1, 2
E	1/2 – 1-1/2	1-1/4 and up	X	1/2 – 2	1-1/4 and up
LL, LR, T	1/2 – 2	2-1/2 and up	TA	All sizes	—

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

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Hazardous Locations:

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

## 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> )									Stamped Cover	Cast Cover
	C	E	LB	LL & LR	LRL	T	TA	TB	X		
1/2	0.07 (4.50)	0.07 (4.50)	0.07 (4.50)	0.07 (4.50)	0.08 (5.00)	0.10 (6.00)	0.07 (4.30)	0.07 (4.30)	0.10 (6.00)	0.01 (0.50)	0.00 (0.00)
3/4	0.12 (7.50)	0.12 (7.50)	0.12 (7.50)	0.12 (7.50)	0.14 (8.80)	0.16 (9.50)	0.11 (7.00)	0.11 (7.00)	0.16 (9.50)	0.01 (0.80)	0.00 (0.30)
1	0.20 (12.50)	0.20 (12.50)	0.20 (12.50)	0.20 (12.50)	0.23 (14.30)	0.25 (15.00)	0.25 (15.00)	0.21 (13.00)	0.25 (15.00)	25.4 (1.00)	0.01 (0.50)
1-1/4	0.57 (35.00)	0.48 (29.30)	0.53 (32.30)	0.52 (32.00)	0.57 (34.80)	0.54 (33.00)	—	0.57 (35.00)	0.52 (31.50)	0.04 (2.50)	0.01 (0.80)
1-1/2	0.58 (35.30)	0.53 (32.50)	0.58 (35.30)	0.58 (35.30)	0.66 (40.00)	0.59 (36.00)	—	0.58 (35.30)	0.66 (40.00)	0.04 (2.50)	0.01 (0.80)
2	1.23 (75.00)	—	1.20 (73.00)	1.20 (73.00)	1.39 (85.00)	1.16 (71.00)	—	1.16 (71.00)	1.16 (71.00)	0.11 (6.50)	0.02 (1.00)
2-1/2	2.34 (143.00)	—	2.28 (139.00)	2.30 (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)
5	—	—	12.39 (756.00)	—	—	—	—	—	—	—	—
6	—	—	21.76 (1328.00)	—	—	—	—	—	—	—	—

APPLETON™

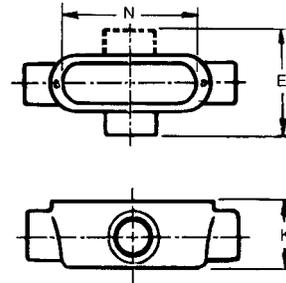
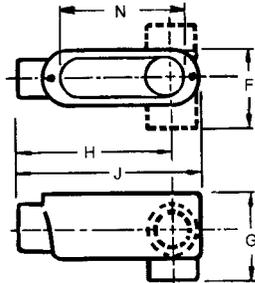
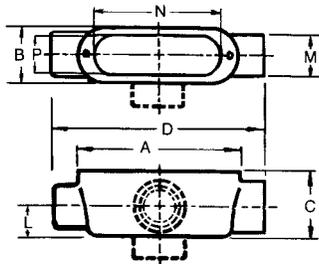
COMMERCIAL AND INDUSTRIAL FITTINGS: CONDUIT BODIES

# Form 35™ Malleable Iron Conduit Outlet Bodies, Covers and Gaskets

Threaded Type for use with Rigid Metal Conduit and IMC; Compression Type for use with Threadless Rigid Metal Conduit.

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

## Threaded Type Dimensions in Millimeters (Inches)



Types A, C, TA, TB

Types E, LB, LL, LR, LRL

Types T, X

Hub Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
1/2	100.1 (3.94)	33.3 (1.31)	36.6 (1.44)	136.7 (5.38)	68.3 (2.69)	50.8 (2.00)	54.1 (2.13)	100.1 (3.94)	117.6 (4.63)	44.5 (1.75)	16.0 (0.63)	30.2 (1.19)	80.3 (3.16)	25.4 (1.00)
3/4	117.6 (4.63)	39.6 (1.56)	42.9 (1.69)	153.9 (6.06)	73.2 (2.88)	55.6 (2.19)	58.7 (2.31)	112.8 (4.44)	136.7 (5.38)	50.8 (2.00)	19.1 (0.75)	35.1 (1.38)	96.0 (3.78)	31.0 (1.22)
1	136.7 (5.38)	46.0 (1.81)	49.3 (1.94)	181.1 (7.13)	85.9 (3.38)	65.0 (2.56)	68.3 (2.69)	130.3 (5.13)	158.8 (6.25)	57.2 (2.25)	23.9 (0.94)	42.9 (1.69)	115.1 (4.53)	37.3 (1.47)
1-1/4	182.6 (7.19)	63.5 (2.50)	65.0 (2.56)	233.4 (9.19)	114.3 (4.50)	88.9 (3.50)	90.4 (3.56)	179.3 (7.06)	208.0 (8.19)	65.0 (2.56)	30.2 (1.19)	50.8 (2.00)	152.4 (6.00)	50.8 (2.00)
1-1/2	182.6 (7.19)	63.5 (2.50)	69.9 (2.75)	233.4 (9.19)	114.3 (4.50)	88.9 (3.50)	95.3 (3.75)	173.0 (6.81)	208.0 (8.19)	69.9 (2.75)	35.1 (1.38)	60.5 (2.38)	152.4 (6.00)	50.8 (2.00)
2	241.3 (9.50)	79.5 (3.13)	85.9 (3.38)	295.4 (11.63)	133.4 (5.25)	106.4 (4.19)	117.6 (4.63)	227.1 (8.94)	268.2 (10.56)	85.9 (3.38)	41.4 (1.63)	74.7 (2.94)	204.7 (8.06)	65.0 (2.56)
2-1/2	311.2 (12.25)	109.5 (4.31)	98.6 (3.88)	384.3 (15.13)	—	146.1 (5.75)	133.4 (5.25)	301.8 (11.88)	347.7 (13.69)	98.6 (3.88)	46.0 (1.81)	85.9 (3.38)	270.0 (10.63)	93.7 (3.69)
3	311.2 (12.25)	109.5 (4.31)	117.6 (4.63)	384.3 (15.13)	—	146.1 (5.75)	152.4 (6.00)	293.6 (11.56)	347.7 (13.69)	117.6 (4.63)	55.6 (2.19)	104.9 (4.13)	270.0 (10.63)	93.7 (3.69)
3-1/2	378.0 (14.88)	139.7 (5.50)	131.8 (5.19)	460.5 (18.13)	—	181.1 (7.13)	173.0 (6.81)	355.6 (14.00)	419.1 (16.50)	131.8 (5.19)	63.5 (2.50)	120.7 (4.75)	333.5 (13.13)	124.0 (4.88)
4	378.0 (14.88)	139.7 (5.50)	141.2 (5.56)	460.5 (18.13)	—	181.1 (7.13)	182.6 (7.19)	349.3 (13.75)	419.1 (16.50)	141.2 (5.56)	69.9 (2.75)	130.3 (5.13)	333.5 (13.13)	124.0 (4.88)
5	463.6 (18.25)	184.2 (7.25)	177.8 (7.00)	—	—	—	228.6 (9.00)	428.8 (16.88)	514.4 (20.25)	—	85.9 (3.38)	165.1 (6.50)	412.8 (16.25)	165.1 (6.50)
6	584.2 (23.00)	219.2 (8.63)	220.7 (8.69)	—	—	—	271.5 (10.69)	534.9 (21.06)	635.0 (25.00)	—	100.1 (3.94)	192.0 (7.56)	533.4 (21.00)	198.4 (7.81)