FM8™ 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.
- Completely interchangeable with Crouse-Hinds ✢ Form 8™ ✢ bodies, gaskets and covers. Equivalent FM8™ and Form 8* 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.
- Covers with gaskets are approved for use in wet locations.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.

Standard Materials

- Bodies: grayloy-iron
- Covers: cast grayloy-iron or stamped steel
- Cover screws: stainless steel
- Gaskets: neoprene

Standard Finishes

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

Options

- PVC coating available on all bodies and select covers. Add suffix **-PVC** 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

Related Products

- For explosionproof conduit outlet bodies and boxes, see *Enclosures and Junction Boxes.*

Type LB

Grayloy™–Iron Conduit Body with cast cover. 1” Type C shown

✢ *Crouse-Hinds and Form 8 are registered trademarks of Cooper Crouse-Hinds.*

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Appleton™ FM8™ Conduit Bodies ①

Hub Size (Inches)	Max. Wire Fill	C	Max. Wire Fill	LB
				
1/2	②	**C18**	②	**LB18**
3/4	(3) # 6	**C28**	(3) # 6	**LB28**
1	(3) # 4	**C38**	(3) # 4	**LB38**
1-1/4	(3) # 2	**C448**	(3) # 2	**LB448**
1-1/2	(3) # 1/0	**C58**	(3) # 1/0	**LB58**
2	(3) # 4/0	**C68**	(3) # 4/0	**LB68**
2-1/2	(3) 300	**C78**	(3) 300	**LB78**
3	(3) 350	**C88**	(3) 350	**LB888**
3-1/2	—	—	—	**LB98**
4	—	—	—	**LB108**

Hub Size (Inches)	Max. Wire Fill	T	Max. Wire Fill	TB
				
1/2	②	**T18**	②	**TB18**
3/4	(3) # 6	**T28**	(3) # 6	**TB28**
1	(3) # 4	**T38**	(3) # 4	**TB38**
1-1/4	(3) # 2	**T448**	(3) # 2	**TB448**
1-1/2	(3) # 1/0; side (3) # 1	**T58**	(3) # 1/0; back (3) # 1	**TB58**
2	(3) # 4/0; side (3) # 3/0	**T68**	(3) # 4/0; back (3) # 3/0	**TB68**
2-1/2	(3) 250	**T78**	—	—
3	(3) 250	**T88**	—	—

*① PVC coating available on all FM8™ bodies. Add suffix **-PVC** to catalog number.*
② All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.

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Appleton™ FM8™ Conduit Bodies ①

Hub Size (Inches)	Max. Wire Fill	LL	Max. Wire Fill	LR
				
1/2	②	**LL18**	②	**LR18**
3/4	(3) # 6	**LL28**	(3) # 6	**LR28**
1	(3) # 4	**LL38**	(3) # 4	**LR38**
1-1/4	(3) # 2	**LL448**	(3) # 2	**LR448**
1-1/2	(3) # 1/0	**LL58**	(3) # 1/0	**LR58**
2	(3) # 4/0	**LL68**	(3) # 4/0	**LR68**
2-1/2	(3) 300	**LL78**	(3) 300	**LR78**
3	(3) 350	**LL888**	(3) 350	**LR888**
3-1/2	—	—	—	—
4	—	—	—	—

Hub Size (Inches)	Max. Wire Fill	X
		
1/2	②	**X18**
3/4	(3) # 6	**X28**
1	(3) # 4	**X38**
1-1/4	(3) # 2	**X448**
1-1/2	(3) # 1/0; side (3) # 1	**X58**
2	(3) # 4/0; side (3) # 3/0	**X68**
2-1/2	—	—
3	—	—

*① PVC coating available on all FM8™ bodies. Add suffix **-PVC** to catalog number.*
② All 1/2" Max Wire Fill Calculations per the NEC - Annex C - Table C8.

FM8™ 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)

Appleton™ FM8™ Blank Covers and Gaskets ①

Body Size (Inches)	Stamped Cover Steel	Cast Cover Grayloy–Iron ②	Solid Gasket Neoprene	Open Gasket Neoprene
				
1/2	**180**	**180F**	**GASK851N**	—
3/4	**280**	**280F**	**GASK852N**	—
1	**380**	**380F**	**GASK853N**	—
1-1/4	**480**	**480F**	**GASK854N**	—
1-1/2	**580**	**580F**	—	**GASK805N**
2	**680**	**680F**	—	**GASK806N**
2-1/2	**880**	**880F**	—	**GASK808N**
3	**880**	**880F**	—	**GASK808N**
3-1/2	**980**	**980F**	—	**GASK809N**
4	**980**	**980F**	—	**GASK809N**

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

Hub Size (Inches)	Capacity — dm^3 (in^3)							
	C	LB	LL, LR	T	TB	X	Stamped Cover	Cast Cover
1/2	0.08 (5.00)	0.08 (5.00)	0.08 (5.00)	0.10 (6.00)	0.10 (6.00)	0.10 (6.00)	0.01 (0.50)	0.00 (0.30)
3/4	0.13 (8.00)	0.13 (8.00)	0.13 (8.00)	0.16 (10.00)	0.16 (10.00)	0.16 (10.00)	0.01 (0.80)	0.01 (0.80)
1	0.21 (13.00)	0.21 (13.00)	0.21 (13.00)	0.25 (15.50)	0.25 (15.50)	0.25 (15.50)	0.02 (1.00)	0.02 (1.00)
1-1/4	0.39 (24.00)	0.39 (24.00)	0.39 (24.00)	0.41 (25.00)	0.41 (25.00)	0.41 (25.00)	0.02 (1.50)	0.02 (1.50)
1-1/2	0.70 (42.50)	0.70 (42.50)	0.70 (42.50)	0.72 (44.00)	0.72 (44.00)	0.72 (44.00)	0.03 (1.80)	0.12 (7.50)
2	1.72 (105.00)	1.72 (105.00)	1.72 (105.00)	1.72 (105.00)	1.72 (105.00)	1.72 (105.00)	0.07 (4.50)	0.20 (12.50)
2-1/2	3.28 (200.00)	3.28 (200.00)	3.28 (200.00)	3.28 (200.00)	—	—	0.20 (12.30)	0.57 (34.50)
3	3.56 (217.00)	3.56 (217.00)	3.56 (217.00)	3.56 (217.00)	—	—	0.20 (12.30)	0.57 (34.50)
3-1/2	—	6.23 (380.00)	—	—	—	—	0.39 (24.00)	1.07 (65.30)
4	—	6.55 (400.00)	—	—	—	—	0.39 (24.00)	1.07 (65.30)

① Covers furnished with stainless steel screws, 1-1/2" – 4" covers provided with 4 screws.
*② PVC coating available on select FM8™ covers. Add suffix **-PVC** to catalog number.*

FM8™ Conduit Outlet Bodies, Covers and Gaskets

FM8™ Covers with Integral Form-In-Place Gasket.

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

Applications

- Cover with integral gasket for FM8™ conduit bodies.
- Can be used as replacement covers for installed bodies or in new installations.

Features

- Benefit from superior sealing, reduced inventory parts and faster installation times.
- Captive pan-head screws.
- High-strength, corrosion and weather resistant.
- Approved for wet locations.
- Fits all body configurations and sizes from 1/2" thru 4".
- Operating temperature: -54 °C to +150 °C (-65 °F to +302 °F).

Standard Materials

- Stamped steel
- Cast grayloy-iron
- Gasket - Urethane

NEC/CEC Certifications and Compliances

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

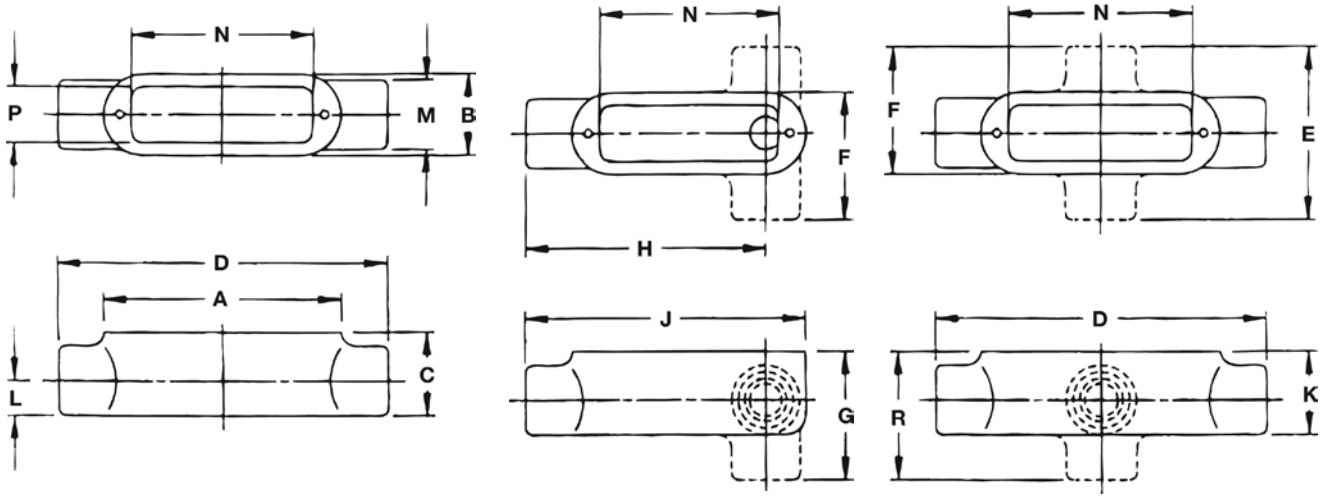
Hub Size (Inches)	Stamped Steel	Cast Grayloy–Iron
		
1/2	**180IG**	**180FIG**
3/4	**280IG**	**280FIG**
1	**380IG**	**380FIG**
1-1/4	**480IG**	**480FIG**
1-1/2	**580IG**	**580FIG**
2	**680IG**	**680FIG**
2-1/2 and 3	**880IG**	**880FIG**
3-1/2 and 4	**980IG**	**980FIG**

FM8™ Conduit Outlet Bodies, Covers and Gaskets

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

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

Dimensions in Millimeters (Inches)



Type C | **Types E, L, LB, L, LR** | **Types T, TA, TB, X**

Hub Size	Dimensions in Millimeters (Inches)														
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
1/2	107.2 (4.22)	37.3 (1.47)	37.3 (1.47)	150.9 (5.94)	79.5 (3.13)	58.7 (2.31)	57.9 (2.28)	111.3 (4.38)	129.3 (5.09)	45.2 (1.78)	16.0 (0.63)	31.8 (1.25)	83.3 (3.28)	25.4 (1.00)	65.8 (2.59)
3/4	122.2 (4.81)	42.2 (1.66)	42.9 (1.69)	166.6 (6.56)	84.1 (3.31)	63.5 (2.50)	63.5 (2.50)	124.7 (4.91)	146.1 (5.75)	50.8 (2.00)	19.1 (0.75)	38.1 (1.50)	100.1 (3.94)	30.2 (1.19)	71.4 (2.81)
1	142.0 (5.59)	46.7 (1.84)	50.0 (1.97)	192.0 (7.56)	94.5 (3.72)	70.6 (2.78)	73.9 (2.91)	145.3 (5.72)	168.4 (6.63)	57.9 (2.28)	22.4 (0.88)	44.5 (1.75)	115.1 (4.53)	35.1 (1.38)	81.8 (3.22)
1-1/4	166.6 (6.56)	55.6 (2.19)	60.5 (2.38)	214.4 (8.44)	103.1 (4.06)	79.5 (3.13)	84.1 (3.31)	162.8 (6.41)	190.5 (7.50)	66.8 (2.63)	27.7 (1.09)	55.6 (2.19)	134.9 (5.31)	44.5 (1.75)	90.4 (3.56)
1-1/2	200.2 (7.88)	70.6 (2.78)	70.6 (2.78)	263.7 (10.38)	134.1 (5.28)	102.4 (4.03)	102.4 (4.03)	196.9 (7.75)	231.9 (9.13)	70.6 (2.78)	35.1 (1.38)	62.0 (2.44)	165.1 (6.50)	53.1 (2.09)	102.4 (4.03)
2	247.7 (9.75)	98.6 (3.88)	90.4 (3.56)	314.5 (12.38)	162.1 (6.38)	130.3 (5.13)	122.2 (4.81)	233.4 (9.19)	11.13 (282.7)	90.4 (3.56)	47.8 (1.88)	76.2 (3.00)	219.2 (8.63)	76.2 (3.00)	122.2 (4.81)
2-1/2	311.2 (12.25)	127.0 (5.00)	112.8 (4.44)	397.0 (15.63)	—	169.9 (6.69)	155.7 (6.13)	290.6 (11.44)	354.1 (13.94)	112.8 (4.44)	63.5 (2.50)	88.9 (3.50)	276.4 (10.88)	108.0 (4.25)	—
3	311.2 (12.25)	127.0 (5.00)	122.2 (4.81)	397.0 (15.63)	—	169.9 (6.69)	165.1 (6.50)	290.6 (11.44)	354.1 (13.94)	122.2 (4.81)	63.5 (2.50)	108.0 (4.25)	276.4 (10.88)	108.0 (4.25)	—
3-1/2	381.0 (15.00)	158.8 (6.25)	144.5 (5.69)	—	—	—	192.0 (7.56)	349.3 (13.75)	428.8 (16.88)	—	79.5 (3.13)	120.7 (4.75)	341.4 (13.44)	138.2 (5.44)	—
4	381.0 (15.00)	158.8 (6.25)	150.9 (5.94)	—	—	—	198.4 (7.81)	349.3 (13.75)	428.8 (16.88)	—	79.5 (3.13)	133.4 (5.25)	341.4 (13.44)	138.2 (5.44)	—