FM7™ Unilet® Conduit Outlet Bodies

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

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 approved for use in wet locations. Grayloy-iron bodies with cast covers and gasket are approved 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

Certifications and Compliances

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

Options

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



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.*

© September 2010

FM7™ Wedge–Lok™ Clip Covers, Gaskets

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

Appleton FM7 Blank Covers and Gaskets *(Covers furnished with stainless steel screws)*

Body Size (inches)	Wedge–Lok Cast Cover		Wedge–Lok Stamped Cover		Solid Neoprene Gasket
	Grayloy–Iron	Aluminum	Steel	Aluminum ‡	
					
1/2	**170F**	**170F-SA**	**170**	**170-SA**	**GASK571**
3/4	**270F**	**270F-SA**	**270**	**270-SA**	**GASK572**
1	**370F**	**370F-SA**	**370**	**370-SA**	**GASK573**
1-1/4	**470F**	**470F-SA**	**470**	**470-SA**	**GASK574**
1-1/2	**570F**	**570F-SA**	**570**	**570-SA**	**GASK575**
2	**670F**	**670F-SA**	**670**	**670-SA**	**GASK576**
2-1/2	**870F**	**870F-SA**	**870**	**870-SA**	**GASK578**
3	**870F**	**870F-SA**	**870**	**870-SA**	**GASK578**
3-1/2	**970F**	**970F-SA**	**970**	**970-SA**	**GASK579**
4	**970F**	**970F-SA**	**970**	**970-SA**	**GASK579**

*‡ PVC coating available on select aluminum covers. Add suffix **-PVC** to catalog number.*

© November 2011

FM7™ Unilet® Conduit Outlet Bodies and Covers Wiring Capacity

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

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

	Capacity (in^3/dm^3)										
Hub Size (Inches)	**C**	**E**	**LB**	**LL LR**	**L**	**T**	**TA**	**TB**	**X**	**Stamped Cover**	**Cast Cover**
FM7™ Grayloy™-Iron Bodies and Covers: Threaded											
1/2	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	5.00/ 0.08	6.00/ 0.10	6.00/ 0.10	6.00/ 0.10	6.00/ 0.10	0.30/ 0.00	0.40/ 0.01
3/4	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	9.00/ 0.15	10.00/ 0.16	10.00/ 0.16	10.00/ 0.16	10.00/ 0.16	0.50/ 0.01	0.80/ 0.01
1	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	13.50/ 0.22	15.50/ 0.25	15.50/ 0.25	15.50/ 0.25	15.50/ 0.25	1.30/ 0.02	1.30/ 0.02
1-1/4	20.00/ 0.33	—	20.00/ 0.33	20.00/ 0.33	22.50/ 0.37	20.00/ 0.33	20.00/ 0.33	20.00/ 0.33	20.00/ 0.33	1.80/ 0.03	2.00/ 0.03
1-1/2	28.00/ 0.46	—	28.00/ 0.46	28.00/ 0.46	31.00/ 0.51	28.00/ 0.46	28.00/ 0.46	28.00/ 0.46	28.00/ 0.46	2.30/ 0.04	3.00/ 0.05
2	50.00/ 0.82	—	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	2.80/ 0.05	4.80/ 0.08
2-1/2	102.00/ 1.67	—	102.00/ 1.67	102.00/ 1.67	—	102.00/ 1.67	—	—	—	9.80/ 0.16	9.70/ 0.16
3	133.00/ 2.18	—	133.00/ 2.18	133.00/ 2.18	—	133.00/ 2.18	—	—	—	9.80/ 0.16	9.70/ 0.16
3-1/2	—	—	218.00/ 3.57	218.00/ 3.57	—	218.00/ 3.57	—	—	—	16.50/ 0.27	16.00/ 0.26
4	—	—	244.00/ 4.00	244.00/ 4.00	—	244.00/ 4.00	—	—	—	16.50/ 0.27	16.00/ 0.26
FM7™ Aluminum Bodies and Covers: Threaded											
1/2	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	—	6.00/ 0.10	—	6.00/ 0.10	6.00/ 0.10	0.30/ 0.005	0.40/ 0.007
3/4	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	—	10.00/ 0.16	—	10.00/ 0.16	10.00/ 0.16	0.50/ 0.008	0.80/ 0.01
1	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	—	15.50/ 0.25	—	15.50/ 0.25	15.50/ 0.25	1.30/ 0.02	1.30/ 0.02
1-1/4	20.00/ 0.33	—	20.00/ 0.33	20.00/ 0.33	—	20.00/ 0.33	—	20.00/ 0.33	20.00/ 0.33	1.80/ 0.03	2.00/ 0.03
1-1/2	28.00/ 0.46	—	28.00/ 0.46	28.00/ 0.46	—	28.00/ 0.46	—	28.00/ 0.46	28.00/ 0.46	2.30/ 0.04	3.00/ 0.05
2	50.00/ 0.82	—	50.00/ 0.82	50.00/ 0.82	—	50.00/ 0.82	—	50.00/ 0.82	50.00/ 0.82	2.80/ 0.05	4.80/ 0.08
2-1/2	102.00/ 1.67	—	102.00/ 1.67	102.00/ 1.67	—	102.00/ 1.67	—	—	—	9.80/ 0.16	9.70/ 0.16
3	133.00/ 2.18	—	133.00/ 2.18	133.00/ 2.18	—	133.00/ 2.18	—	—	—	9.80/ 0.16	9.70/ 0.16
3-1/2	—	—	218.00/ 3.57	218.00/ 3.57	—	218.00/ 3.57	—	—	—	16.50/ 0.27	16.00/ 0.26
4	—	—	244.00/ 4.00	244.00/ 4.00	—	244.00/ 4.00	—	—	—	16.50/ 0.27	16.00/ 0.26

© September 2010

FM7™ Unilet® Conduit Outlet Bodies

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

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 approved for use in wet locations. Grayloy-iron bodies with cast covers and gasket are approved 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

Certifications and Compliances

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

Options

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



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.*

© September 2010

FM7™ Wedge–Lok™ Clip Covers, Gaskets

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

Appleton FM7 Blank Covers and Gaskets *(Covers furnished with stainless steel screws)*

Body Size (inches)	Wedge–Lok Cast Cover		Wedge–Lok Stamped Cover		Solid Neoprene Gasket
	Grayloy–Iron	Aluminum	Steel	Aluminum ‡	
					
1/2	**170F**	**170F-SA**	**170**	**170-SA**	**GASK571**
3/4	**270F**	**270F-SA**	**270**	**270-SA**	**GASK572**
1	**370F**	**370F-SA**	**370**	**370-SA**	**GASK573**
1-1/4	**470F**	**470F-SA**	**470**	**470-SA**	**GASK574**
1-1/2	**570F**	**570F-SA**	**570**	**570-SA**	**GASK575**
2	**670F**	**670F-SA**	**670**	**670-SA**	**GASK576**
2-1/2	**870F**	**870F-SA**	**870**	**870-SA**	**GASK578**
3	**870F**	**870F-SA**	**870**	**870-SA**	**GASK578**
3-1/2	**970F**	**970F-SA**	**970**	**970-SA**	**GASK579**
4	**970F**	**970F-SA**	**970**	**970-SA**	**GASK579**

*‡ PVC coating available on select aluminum covers. Add suffix **-PVC** to catalog number.*

© November 2011

FM7™ Unilet® Conduit Outlet Bodies and Covers Wiring Capacity

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

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

	Capacity (in^3/dm^3)										
Hub Size (Inches)	**C**	**E**	**LB**	**LL LR**	**L**	**T**	**TA**	**TB**	**X**	**Stamped Cover**	**Cast Cover**
FM7™ Grayloy™-Iron Bodies and Covers: Threaded											
1/2	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	5.00/ 0.08	6.00/ 0.10	6.00/ 0.10	6.00/ 0.10	6.00/ 0.10	0.30/ 0.00	0.40/ 0.01
3/4	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	9.00/ 0.15	10.00/ 0.16	10.00/ 0.16	10.00/ 0.16	10.00/ 0.16	0.50/ 0.01	0.80/ 0.01
1	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	13.50/ 0.22	15.50/ 0.25	15.50/ 0.25	15.50/ 0.25	15.50/ 0.25	1.30/ 0.02	1.30/ 0.02
1-1/4	20.00/ 0.33	—	20.00/ 0.33	20.00/ 0.33	22.50/ 0.37	20.00/ 0.33	20.00/ 0.33	20.00/ 0.33	20.00/ 0.33	1.80/ 0.03	2.00/ 0.03
1-1/2	28.00/ 0.46	—	28.00/ 0.46	28.00/ 0.46	31.00/ 0.51	28.00/ 0.46	28.00/ 0.46	28.00/ 0.46	28.00/ 0.46	2.30/ 0.04	3.00/ 0.05
2	50.00/ 0.82	—	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	50.00/ 0.82	2.80/ 0.05	4.80/ 0.08
2-1/2	102.00/ 1.67	—	102.00/ 1.67	102.00/ 1.67	—	102.00/ 1.67	—	—	—	9.80/ 0.16	9.70/ 0.16
3	133.00/ 2.18	—	133.00/ 2.18	133.00/ 2.18	—	133.00/ 2.18	—	—	—	9.80/ 0.16	9.70/ 0.16
3-1/2	—	—	218.00/ 3.57	218.00/ 3.57	—	218.00/ 3.57	—	—	—	16.50/ 0.27	16.00/ 0.26
4	—	—	244.00/ 4.00	244.00/ 4.00	—	244.00/ 4.00	—	—	—	16.50/ 0.27	16.00/ 0.26
FM7™ Aluminum Bodies and Covers: Threaded											
1/2	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	4.00/ 0.07	—	6.00/ 0.10	—	6.00/ 0.10	6.00/ 0.10	0.30/ 0.005	0.40/ 0.007
3/4	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	7.00/ 0.11	—	10.00/ 0.16	—	10.00/ 0.16	10.00/ 0.16	0.50/ 0.008	0.80/ 0.01
1	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	11.00/ 0.18	—	15.50/ 0.25	—	15.50/ 0.25	15.50/ 0.25	1.30/ 0.02	1.30/ 0.02
1-1/4	20.00/ 0.33	—	20.00/ 0.33	20.00/ 0.33	—	20.00/ 0.33	—	20.00/ 0.33	20.00/ 0.33	1.80/ 0.03	2.00/ 0.03
1-1/2	28.00/ 0.46	—	28.00/ 0.46	28.00/ 0.46	—	28.00/ 0.46	—	28.00/ 0.46	28.00/ 0.46	2.30/ 0.04	3.00/ 0.05
2	50.00/ 0.82	—	50.00/ 0.82	50.00/ 0.82	—	50.00/ 0.82	—	50.00/ 0.82	50.00/ 0.82	2.80/ 0.05	4.80/ 0.08
2-1/2	102.00/ 1.67	—	102.00/ 1.67	102.00/ 1.67	—	102.00/ 1.67	—	—	—	9.80/ 0.16	9.70/ 0.16
3	133.00/ 2.18	—	133.00/ 2.18	133.00/ 2.18	—	133.00/ 2.18	—	—	—	9.80/ 0.16	9.70/ 0.16
3-1/2	—	—	218.00/ 3.57	218.00/ 3.57	—	218.00/ 3.57	—	—	—	16.50/ 0.27	16.00/ 0.26
4	—	—	244.00/ 4.00	244.00/ 4.00	—	244.00/ 4.00	—	—	—	16.50/ 0.27	16.00/ 0.26

© September 2010