Unilet® Conduit Bodies and Boxes


FM7 Series


FM8 Series

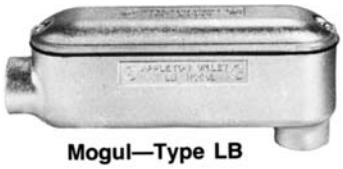

Form 35 Compression


Form 35


Form 85 Threaded


Form 85 Setscrew


Big Bend™ Casting Pulling Elbow


Mogul—Type LB

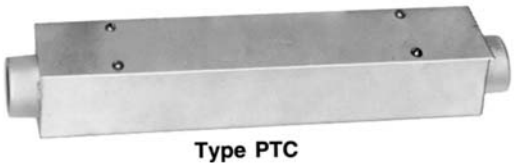

Mogul—Type UB

LBD/LBDN

JB


GS


SEH


Type PTC

Form 35® Unilet® Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum, IMC, and EMT 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: Unilet® conduit outlet bodies

- 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.

Features: Form 35®

❹ 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.
- Complete line of conduit bodies, covers and receptacles.
- Blank covers domed for extra wiring space.

Standard Materials

- *Form 35 Unilet conduit outlet bodies:* malleable iron.
- *Covers:* blank– malleable iron, steel and aluminum. Duplex grounding receptacle– phenolic. Lamp receptacle– porcelain. Wiring device and switch covers– aluminum. Cover screws: stainless steel.
- *Gaskets:* neoprene or composition fiber.

Standard Finishes

- *Malleable iron bodies:* triple-coat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *Covers:* steel: zinc electroplate. Malleable iron: triple-coat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.

Form 35

Form 35

❹ Form 35 Malleable.
2" Type LB with rollers shown.

Compliances

- UL Standard 514A.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.
- Appleton Grayloy-iron products are a gray iron alloy with tensile strength similar to ASTM-A48 Class 30A (30,000 psi tensile), and with a Brinell hardness of approximately 180BH.

Product Cross Reference

- For explosionproof conduit outlet bodies and boxes, see Cat. Section J.
- For Mogul Unilets®, see pages A-17 through A-24.

Effective September, 2005

Appleton®

800-621-1506
www.appletonelec.com

Form 35® Malleable Iron Unilet® Conduit Outlet Bodies

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

Appleton Form 35® Threaded Type Conduit Bodies NOTE: Refer to page A-16 for Wiring Capacity Tables

Hub Size (in.)	C	E	LB	LL	LR
1/2	C50-M	E50-M	LB50-M	LL50-M	LR50-M
3/4	C75-M	E75-M	LB75-M	LL75-M	LR75-M
1	C100-M	E100-M	LB100-M	LL100-M	LR100-M
1-1/4	C125-M◊	E125-M	LB125-M◊	LL125-M	LR125-M
1-1/2	C150-M◊	E150-M	LB150-M◊	LL150-M	LR150-M
2	C200-M◊	—	LB200-M◊	LL200-M	LR200-M
2-1/2	C250-M◊	—	LB250-M◊	LL250-M	LR250-M
3	C300-M◊	—	LB300-M◊	LL300-M	LR300-M
3-1/2	C350-M◊	—	LB350-M◊	LL350-M	LR350-M
4	C400-M◊	—	LB400-M◊	LL400-M	LR400-M
5	—	—	LB500-M	—	—
6	—	—	LB600-M	—	—

Hub Size (in.)	LRL*	T	TA	TB	X
1/2	LRL50-M	T50-M	TA50-M	TB50-M	X50-M
3/4	LRL75-M	T75-M	TA75-M	TB75-M	X75-M
1	LRL100-M	T100-M	TA100-M	TB100-M	X100-M
1-1/4	LRL125-M	T125-M	—	TB125-M	X125-M
1-1/2	LRL150-M	T150-M	—	TB150-M	X150-M
2	LRL200-M	T200-M	—	TB200-M	X200-M
2-1/2	—	T250-M	—	—	—
3	—	T300-M	—	—	—
3-1/2	—	T350-M	—	—	—
4	—	T400-M	—	—	—

*LRL Unilets have double opening and are furnished with one steel cover, assembled.
◊ Catalog numbers having patented roller feature, all others do not.

Compression Type—For use with Threadless Rigid Metal Conduit

Hub Size (in.)	LB	LRL*	T
1/2	LB50N-M	LRL50N-M	T50N-M
3/4	LB75N-M	LRL75N-M	T75N-M
1	LB100N-M	LRL100N-M	T100N-M

Back Style for Form 35 Unilet conduit body sizes (inches)

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

All TA Unilets are round back design.
All Compression Type are flatback design.

A

Covers and Gaskets for Form 35® Unilet® Conduit Outlet Bodies

Covers Furnished with Stainless Steel Fastening Screws.

Appleton Form 35® Covers and Gaskets NOTE: Refer to page A-16 for Wiring Capacity Tables.

Size	Blank Stamped Steel	Blank Cast Malleable	Neoprene	Composition Fiber
Form 35 Body Size (in.)	 Domed: 1/2" - 3"  Flat: 3-1/2" - 6"	 Flat: 1/2" - 2"  Domed: 2-1/2" - 4"	 Tear out inner perforated section to convert to "open type" gasket.	
1/2	K50	K50-CM	GK50-N	GK50-V
3/4	K75	K75-CM	GK75-N	GK75-V
1	K100	K100-CM	GK100-N	GK100-V
1-1/4	K125 & 150	K125 & 150-CM	GK125-150-N	GK125-150-V
1-1/2	K125 & 150	K125 & 150-CM	GK125-150-N	GK125-150-V
2	K200	K200-CM	GK200-N	GK200-V
2-1/2	K250 & 300	K250 & 300-CM	GK250-300-N	GK-250-300-V
3	K250 & 300	K250 & 300-CM	GK250-300-N	GK-250-300-V
3-1/2	K350 & 400	K350 & 400-CM	GK350-400-N	GK-350-400-V
4	K350 & 400	K350 & 400-CM	GK350-400-N	GK-350-400-V
5	K500	—	GK500-SN†	
6	K600	—	GK600-SN†	

† Not perforated

Wiring Device Covers

Lamp Receptacle with 1-1/2" Shade Holder Groove. Porcelain, 600 Watt, 600 Volt Rating

Form 35 Body Size (in.)	Cat. No.
1/2	KLR50
3/4	KLR75

Device Cover for Interchangeable (Despard) Wiring Devices, Cast Aluminum with Mounting Strap

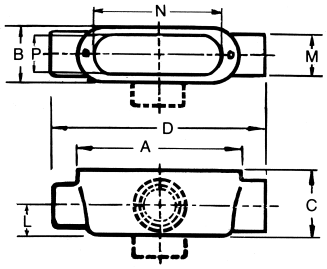
Form 35 Body Size (in.)	Cat. No.
1/2	KWD50-A

Switch Cover for Interchangeable (Despard) Devices, Cast Aluminum with Gasket and Steel Mounting Strap

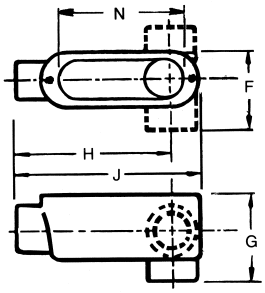
Form 35 Body Size (in.)	Cat. No.
3/4	KVS75-A

Dimensions:
Form 35® Malleable Iron Unilet® Conduit Outlet Bodies

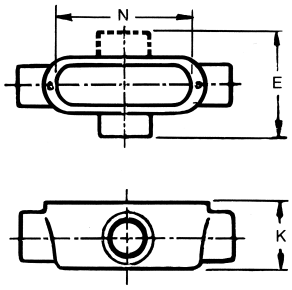
Threaded Type for use with Rigid Metal Conduit and IMC;
Compression Type for use with Threadless Rigid Metal Conduit.



Types A, C, TA, TB



Types E, LB, LL, LR, LRL



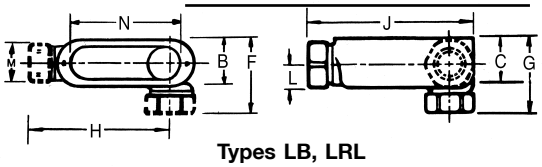
Types T, X

Fraction/Decimal Equivalents (Inches)

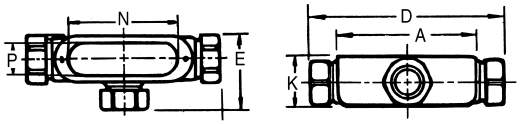
Fraction	Decimal	Fraction	Decimal	Fraction	Decimal	Fraction	Decimal
1/16	0.06	5/16	0.31	9/16	0.56	13/16	0.81
1/8	0.13	3/8	0.38	5/8	0.63	7/8	0.88
3/16	0.19	7/16	0.44	11/16	0.69	15/16	0.94
1/4	0.25	1/2	0.50	3/4	0.75	1	1.00

Threaded Type Dimensions in Inches

Hub Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
1/2	3.94	1.31	1.44	5.38	2.69	2.00	2.13	3.94	4.63	1.75	.63	1.19	3.16	1.00
3/4	4.63	1.56	1.69	6.06	2.88	2.19	2.31	4.44	5.38	2.00	.75	1.38	3.78	1.22
1	5.38	1.81	1.94	7.13	3.38	2.56	2.69	5.13	6.25	2.25	.94	1.69	4.53	1.47
1-1/4	7.19	2.50	2.56	9.19	4.50	3.50	3.56	7.06	8.19	2.56	1.19	2.00	6.00	2.00
1-1/2	7.19	2.50	2.75	9.19	4.50	3.50	3.75	6.81	8.19	2.75	1.38	2.38	6.00	2.00
2	9.50	3.13	3.38	11.63	5.25	4.19	4.63	8.94	10.56	3.38	1.63	2.94	8.06	2.56
2-1/2	12.25	4.31	3.88	15.13	7.19	5.75	5.25	11.88	13.69	3.88	1.81	3.38	10.63	3.69
3	12.25	4.31	4.63	15.13	7.19	5.75	6.00	11.56	13.69	4.63	2.19	4.13	10.63	3.69
3-1/2	14.88	5.50	5.19	18.13	8.75	7.13	6.81	14.00	16.50	5.19	2.50	4.75	13.13	4.88
4	14.88	5.50	5.56	18.13	8.75	7.13	7.19	13.75	16.50	5.56	2.75	5.13	13.13	4.88
5	18.25	7.25	7.00				9.00	16.88	20.25		3.38	6.50	16.25	6.50
6	23.00	8.63	8.69				10.69	21.06	25.00		3.94	7.56	21.00	7.81



Types LB, LRL



Type T

Compression Type Dimensions in Inches

Hub Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
1/2	3.94	1.31	1.44	6.06	2.38	2.38	2.50	4.31	5.00	1.75	.63	1.31	3.16	1.00
3/4	4.63	1.56	1.69	6.81	2.69	2.69	2.81	4.81	5.75	2.00	.75	1.63	3.78	1.22
1	5.38	1.81	1.94	7.63	2.94	2.94	3.06	5.38	6.50	2.25	.94	1.88	4.53	1.47

Wiring Capacity: Form 35® Conduit Bodies and Covers

Combine Body and Cover Capacities for Total usable Capacity per NEC 370-6(a)(1)

Form 35® Malleable Iron Bodies and Covers: Threaded and Compression

Capacity in Cubic Inches											
Hub Size (In.)	C	E	LB	LL LR	LRL	T	TA	TB	X	Stamped Cover	Cast Cover
1/2	4.5	4.5	4.5	4.5	5.0	6.0	4.3	4.3	6.0	0.5	0
3/4	7.5	7.5	7.5	7.5	8.8	9.5	7.0	7.0	9.5	0.8	0.3
1	12.5	12.5	12.5	12.5	14.3	15.0	15.0	13.0	15.0	1.0	0.5
1-1/4	35.0	29.3	32.3	32.0	34.8	33.0	—	35.0	31.5	2.5	0.8
1-1/2	35.3	32.5	35.3	35.3	40.0	36.0	—	35.3	40.0	2.5	0.8
2	75.0	—	73.0	73.0	85.0	71.0	—	71.0	71.0	6.5	1.5
2-1/2	143.0	—	139.0	140.5	—	146.0	—	—	—	18.0	30.0
3	180.0	—	177.0	175.0	—	185.0	—	—	—	18.0	30.0
3-1/2	303.0	—	300.0	300.0	—	314.0	—	—	—	—	50.0
4	340.0	—	330.0	330.0	—	345.0	—	—	—	—	50.0
5	—	—	756.0	—	—	—	—	—	—	—	—
6	—	—	1328.0	—	—	—	—	—	—	—	—

Effective September, 2005

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Form 85™ Unilet® Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum, IMC, and EMT 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: Unilet® conduit outlet bodies

- 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.

Features: Form 85™

❺ Form 85 aluminum Unilets: copper-free aluminum (max. 4/10 of 1% copper content). Lightweight, high corrosion resistance. Self-oxidizing, self-renewing.

- Lightweight aluminum facilitates shipping, handling and installing.
- Sizes with flat-back design ideal where fitting is mounted flat against surface.
- Complete line of conduit bodies, covers and receptacles.
- Blank covers domed for extra wiring space.

Standard Materials

- *Unilet conduit outlet bodies:* aluminum– copper-free (max. 4/10 of 1%). 1/2" thru 2"– pressure cast. 2-1/2" thru 4"– sand cast.
- *Covers:* blank– malleable iron, steel and aluminum. Duplex grounding receptacle– phenolic. Lamp receptacle– porcelain. Wiring device and switch covers– 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.

Form 85

❺ Form 85 Aluminum Conduit Body with Stamped Aluminum Cover. 2" Type C shown.

Compliances

- UL Standard 514A.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.
- Appleton Grayloy-iron products are a gray iron alloy with tensile strength similar to ASTM-A48 Class 30A (30,000 psi tensile), and with a Brinell hardness of approximately 180BH.

Product Cross Reference

- For explosionproof conduit outlet bodies and boxes, see Cat. Section J.
- For Mogul Unilets®, see pages A-17 through A-24.

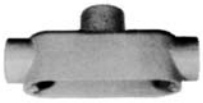
A

Form 85™ Aluminum Unilet® Conduit Outlet Bodies

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

Appleton Form 85™ Conduit Bodies: Threaded/SetScrew Type NOTE: Refer to page A-16 for Wiring Capacity Tables

	C		E		LB		LL		LR	
										
Hub Size (in.)	Threaded Type	Setscrew Type	Threaded Type	Setscrew Type	Threaded Type	Setscrew Type	Threaded Type	Setscrew Type	Threaded Type	Setscrew Type
1/2	C50-A	C50T-A	E50-A	E50T-A	LB50-A	LB50T-A	LL50-A	LL50T-A	LR50-A	LR50T-A
3/4	C75-A	C75T-A	E75-A	—	LB75-A	LB75T-A	LL75-A	LL75T-A	LR75-A	LR75T-A
1	C100-A	C100T-A	E100-A	—	LB100-A	LB100T-A	LL100-A	LL100T-A	LR100-A	LR100T-A
1-1/4	C125-A	C125T-A	—	—	LB125-A	LB125T-A	LL125-A	LL125T-A	LR125-A	LR125T-A
1-1/2	C150-A	C150T-A	—	—	LB150-A	LB150T-A	LL150-A	LL150T-A	LR150-A	LR150T-A
2	C200-A	—	—	—	LB200-A	LB200T-A	LL200-A	LL200T-A	LR200-A	LR200T-A
2-1/2	C250-A	—	—	—	LB250-A	—	LL250-A	—	LR250-A	—
3	C300-A	—	—	—	LB300-A	—	LL300-A	—	LR300-A	—
3-1/2	C350-A	—	—	—	LB350-A	—	LL350-A	—	LR350-A	—
4	C400-A	—	—	—	LB400-A	—	LL400-A	—	LR400-A	—

	T		TB		X	
						
Hub Size (in.)	Threaded Type	Setscrew Type	Threaded Type	Setscrew Type	Threaded Type	Setscrew Type
1/2	T50-A	T50T-A	TB50-A	—	X50-A	—
3/4	T75-A	T75T-A	TB75-A	—	X75-A	—
1	T100-A	T100T-A	TB100-A	—	X100-A	—
1-1/4	T125-A	—	TB125-A	—	—	—
1-1/2	T150-A	—	TB150-A	—	—	—
2	T200-A	—	TB200-A	—	—	—
2-1/2	T250-A	—	—	—	—	—
3	T300-A	—	—	—	—	—
3-1/2	T350-A	—	—	—	—	—
4	T400-A	—	—	—	—	—

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

Back Style for Form 85®

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"	

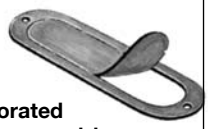
All setscrew types are flatback design.

A

Covers and Gaskets for Form 85™ Unilet® Conduit Outlet Bodies

Covers Furnished with Stainless Steel Fastening Screws.

Appleton Form 85™ Covers and Gaskets NOTE: Refer to page A-16 for Wiring Capacity Tables.

Size	Blank Stamped Aluminum	Blank Cast Aluminum	Neoprene	Composition Fiber
Form 85 Body Size (in.)	 Domed: 1/2" - 3"  Flat: 3-1/2" - 4"	 Flat: 1/2" - 2"  Domed: 2-1/2" - 4"	 Tear out inner perforated 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 Device Covers

Lamp Receptacle with 1-1/2" Shade Holder Groove. Porcelain, 600 Watt, 600 Volt Rating

Form 85 Body Size (in.)	Cat. No.
1/2	KLR50
3/4	KLR75

Device Cover for Interchangeable (Despard) Wiring Devices, Cast Aluminum with Mounting Strap

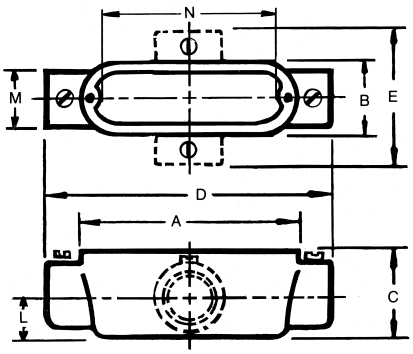
Form 85 Body Size (in.)	Cat. No.
1/2	KWD50-A

Switch Cover for Interchangeable (Despard) Devices, Cast Aluminum with Gasket and Steel Mounting Strap

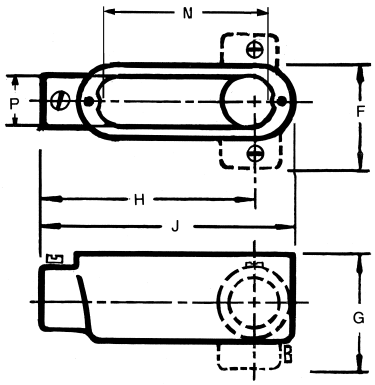
Form 85 Body Size (in.)	Cat. No.
3/4	KVS75-A

A

Dimensions:
Form 85™ Threaded and Setscrew, Unilet® Conduit Outlet Bodies, Aluminum



Types C, T, X



Types E, LB, LL, LR

Fraction/Decimal Equivalents (Inches)

Fraction	Decimal
1/16	0.06
1/8	0.13
3/16	0.19
1/4	0.25
5/16	0.31
3/8	0.38
7/16	0.44
1/2	0.50
9/16	0.56
5/8	0.63
11/16	0.69
3/4	0.75
13/16	0.81
7/8	0.88
15/16	0.94
1	1.00

Dimensions In Inches

	Hub Trade Size (In.)	A	B	C	D	E	F	G	H	J	L	M	N	P
Pressure Cast	1/2	3.94	1.31	1.38	4.75	2.56	2.00	2.06	3.50	4.31	.63	1.13	3.14	1.05
	3/4	4.63	1.56	1.63	5.63	3.00	2.25	2.44	4.13	5.13	.75	1.38	3.78	1.27
	1	5.38	1.81	1.88	6.69	3.50	2.63	2.81	4.88	6.00	.94	1.69	4.50	1.52
	1-1/4	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	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	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	12.25	4.31	3.88	15.13	7.19	5.75	5.25	11.88	13.69	1.81	3.38	10.63	3.69
	3	12.25	4.31	4.63	15.13	7.19	5.75	6.00	11.56	13.69	2.19	4.13	10.63	3.69
	3-1/2	14.88	5.50	5.19	18.13	8.75	7.13	6.81	14.00	16.50	2.50	4.75	13.13	4.88
	4	14.88	5.50	5.56	18.13	8.75	7.13	7.19	13.75	16.50	2.75	5.13	13.13	4.88

Wiring Capacity: Form 85™ Conduit Bodies and Covers

Combine Body and Cover Capacities for Total usable Capacity per NEC 370-6(a)(1)

Form 85™ Aluminum Bodies and Covers: Threaded and Setscrew

Capacity in Cubic Inches											
Hub Size (In.)	C	E	LB	LL LR	LRL	T	TA	TB	X	Stamped Cover	Cast Cover
1/2	4.0	4.0	4.0	4.0	—	4.0	—	6.0	4.0	0.5	0
3/4	7.0	7.0	7.0	7.0	—	7.0	—	7.0	7.0	0.8	0.3
1	11.8	11.8	11.8	11.8	—	11.8	—	13.0	11.8	1.0	0.5
1-1/4	34.8	—	34.8	34.0	—	34.0	—	35.0	—	2.5	0.8
1-1/2	35.0	—	35.0	35.0	—	35.0	—	34.5	—	2.5	0.8
2	70.0	—	70.0	70.0	—	70.0	—	71.0	—	6.5	1.5
2-1/2	143.0	—	139.0	140.5	—	146.0	—	—	—	18.0	30.0
3	180.0	—	177.0	175.0	—	185.0	—	—	—	18.0	30.0
3-1/2	303.0	—	300.0	300.0	—	314.0	—	—	—	—	50.0
4	340.0	—	330.0	330.0	—	345.0	—	—	—	—	50.0

FM7™ Unilet® Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum, IMC, and EMT 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: Unilet® conduit outlet bodies

- 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.

Features: FM7™ Series

❶ FM7 Grayloy™-Iron Unilets: most economical conduit bodies for use where the special advantages of malleable iron or aluminum are not required.

❷ FM7 Aluminum Unilets: same dimensions and design features as FM7 Grayloy™-Iron, plus light weight, high corrosion resistance.

- FM7 Wedge-Lok™ Formtite™ covers with integral gasket are approved for use in wet locations.
- Unique Wedge-Lok™ clip covers allow easy removal. No retapping of corroded body screw holes is necessary to replace cover.
- 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.
- 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, and compliance data molded into body in large, easy-to-read form. Also maximum wire number/size and cubic capacity.

Standard Materials

- Grayloyiron or copper-free aluminum.
- Stamped steel, stamped aluminum, cast Grayloy-iron, and cast aluminum; cover screws: stainless steel.

Standard Finishes

- *Grayloy-iron bodies:* triplecoat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *Aluminum bodies:* epoxy powder coat.
- *Steel covers:* zinc electroplate.
- *Stamped aluminum covers:* natural finish.
- *Grayloy-iron covers:* triplecoat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *Cast aluminum covers:* epoxy powder coat.

Compliances

- UL Standard 514A.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.
- Appleton Grayloy-iron products are a gray iron alloy with tensile strength similar to ASTM-A48 Class 30A (30,000 psi tensile), and with a Brinell hardness of approximately 180BH.

Product Cross Reference

- For explosionproof conduit outlet bodies and boxes, see Cat. Section J.

*Form 7 is a product of Crouse-Hinds, a member company of Cooper Industries.

FM7

❷ FM7 Aluminum Conduit Body with Cast Aluminum Cover. 1" Type C shown.

❶ FM7 Grayloy™-iron, 1" Type C shown with cut-away body and cover to illustrate Wedge-Lok™ Clip Cover detail.

Effective June, 2006

Appleton®

800-621-1506
www.appletonelec.com

FM7™ Grayloy™–Iron and Aluminum Unilet® Conduit Bodies: Wedge–Lok™ Clip Covers

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

Interchangeable. Appleton FM7 bodies, covers and gaskets are completely interchangeable with equivalent Crouse-Hinds Form 7* bodies and covers. Applications and installation dimensions are also interchangeable.

No wire damage. Appleton FM7 bodies have a smooth, rounded, internal bushing in each hub and smooth cover openings to protect conductor insulation.

Easy cover removal. Unique FM7 Wedge-Lok Clip-Cover design allows easy removal at any later time, without damaging the conduit body. Because the cover is secured with clips– not screws – no retapping of corroded body screw holes is necessary to replace cover.

Positive-seating cover screws. Pan-head stainless steel cover screws, which hold the clips, provide superior screwdriver seating and torque for easier cover installation or removal. Each cover screw and its attached locking clip are held captive in the cover to prevent loss.

Full-line choice. Appleton FM7 bodies are offered in a complete range of hub configurations and sizes. FM7 covers are available in blank stamped steel or stamped aluminum, and also in cast Grayloy-iron or cast aluminum. Covers can be used without gaskets, or with a solid neoprene gasket. All Appleton FM7 bodies, covers and gaskets are interchangeable with Crouse-Hinds Form 7* bodies, covers and gaskets.

Approved for wet locations.
FM7 Grayloy-iron bodies with cast covers and gasket are approved for use in wet locations. (NEMA 3R)

Maximum corrosion protection. Appleton FM7 Grayloy-iron conduit bodies and cast covers have a triple-coat finish– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coating. FM7 aluminum bodies and cast covers are coated with epoxy powder coating. FM7 blank steel covers have a zinc electroplate finish. Superior FM7 finish gives greater corrosion protection in wet or harsh environments, assuring long, trouble-free service.

Grayloy-iron properties. Grayloy™ is an Appleton proprietary cast graphite flake gray iron alloy with superior physical and mechanical properties offering strength, hardness, fracture toughness, high vibration absorption and dimensional stability. Tensile strength is similar to ASTM-A48 Class 30A (30,000 tensile), with Brinell hardness of approximately 180BH.

Aluminum properties. Aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

More wiring space. Appleton's FM7 flat-back design provides greater cubic content for easier wire pulling, and more room for splicing. FM7 flat back fits flush and snug against flat surfaces for more stable installation.

*Form 7 ia a product of Crouse-Hinds, a member company of Cooper Industries.

NEW
Formtite™ 7
Covers with
Integral Gaskets

Formtite™ 7 Features

- One-piece cover and gasket assembly
- Neoprene gasket is bonded to Iron, Steel or Aluminum cover
- Ease of installation
- Productivity gain
- Eliminates "stock outs" of one item or the other
- No need to order, store, handle, or install separate covers and gaskets because there are fewer SKU's to order and inventory

Neoprene Integral Gasket pre-assembled to Conduit Body Cover

Appleton FM7™

Appleton FM7 (C57, 1-1/2")
28 Cubic Inches Capacity
Flat-Back Design

Crouse–Hinds Form 7

Crouse-Hinds Form 7 (C57, 1-1/2")
26 Cubic Inches Capacity

Appleton FM7:
- Maximum wire number/size and cubic capacity molded into body.
- Large size, style and compliance data molded into body.

Illustrated views are cut away to demonstrate back configurations.

A

FM7™ Grayloy™–Iron and Aluminum Unilet® Conduit Bodies with Wedge–Lok™ Clip Covers and Gaskets

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

These Appleton FM7 conduit bodies, covers and gaskets have the same applications and installation dimensions as Crouse-Hinds Form 7 conduit bodies. Equivalent FM7 and Form 7 items are completely interchangeable.

Appleton FM7 Conduit Bodies NOTE: Refer to page A-15 for Wiring Capacity Tables

	C		LB		LL		LR		T	
										
Hub Size (in.)	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum
1/2	C17	C17-SA	LB17	LB17-SA	LL17	LL17-SA	LR17	LR17-SA	T17	T17-SA
3/4	C27	C27-SA	LB27	LB27-SA	LL27	LL27-SA	LR27	LR27-SA	T27	T27-SA
1	C37	C37-SA	LB37	LB37-SA	LL37	LL37-SA	LR37	LR37-SA	T37	T37-SA
1-1/4	C47	C47-SA	LB47	LB47-SA	LL47	LL47-SA	LR47	LR47-SA	T47	T47-SA
1-1/2	C57	C57-SA	LB57	LB57-SA	LL57	LL57-SA	LR57	LR57-SA	T57	T57-SA
2	C67	C67-SA	LB67	LB67-SA	LL67	LL67SA	LR67	LR67-SA	T67	T67-SA
2-1/2	C77	C77-SA	LB77	LB77-SA	LL77	LL77-SA	LR77	LR77-SA	T77	T77-SA
3	C87	C87-SA	LB87	LB87-SA	LL87	LL87-SA	LR87	LR87-SA	T87	T87-SA
3-1/2	—	—	LB97	LB97-SA	LL97	LL97-SA	LR97	LR97-SA	T97	T97-SA
4	—	—	LB107	LB107-SA	LL107	LL107-SA	LR107	LR107-SA	T107	T107-SA

	E		L*		TA		TB		X	
										
Hub Size (in.)	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum
1/2	E17	E17-SA	L17	—	TA17	—	TB17	TB17-SA	X17	X17-SA
3/4	E27	E27-SA	L27	—	TA27	—	TB27	TB27-SA	X27	X27-SA
1	E37	E37-SA	L37	—	TA37	—	TB37	TB37-SA	X37	X37-SA
1-1/4	—	—	L47	—	TA47	—	TB47	TB47-SA	X47	X47-SA
1-1/2	—	—	L57	—	TA57	—	TB57	TB57-SA	X57	X57-SA
2	—	—	L67	—	TA67	—	TB67	TB67-SA	X67	X67-SA

* L Unilets have double opening and are furnished with one steel cover, assembled.

Appleton FM7 Blank Covers and Gaskets (Covers furnished with Stainless Steel Screws)

	Wedge-Lok Cast Cover		Formtite Cast Cover with Integral Gasket		Wedge-Lok Stamped Cover		Formtite Stamped Cover with Integral Gasket		Solid Neoprene Gasket
									
FM7 Body Size (in.)	Grayloy-Iron	Aluminum	Grayloy-Iron	Aluminum	Steel	Aluminum	Steel	Aluminum	
1/2	170F	170F-SA	170FG	170FG-SA	170	170-SA	170G	170G-SA	GASK571
3/4	270F	270F-SA	270FG	270FG-SA	270	270-SA	270G	270G-SA	GASK572
1	370F	370F-SA	370FG	370FG-SA	370	370-SA	370G	370G-SA	GASK573
1-1/4	470F	470F-SA	470FG	470FG-SA	470	470-SA	470G	470G-SA	GASK574
1-1/2	570F	570F-SA	570FG	570FG-SA	570	570-SA	570G	570G-SA	GASK575
2	670F	670F-SA	670FG	670FG-SA	670	670-SA	670G	670G-SA	GASK576
2-1/2	870F	870F-SA	870FG	870FG-SA	870	870-SA	870G	870G-SA	GASK578
3	870F	870F-SA	870FG	870FG-SA	870	870-SA	870G	870G-SA	GASK578
3-1/2	970F	970F-SA	970FG	970FG-SA	970	970-SA	970G	970G-SA	GASK579
4	970F	970F-SA	970FG	970FG-SA	970	970-SA	970G	970G-SA	GASK579

Effective June, 2006

Appleton®

800-621-1506
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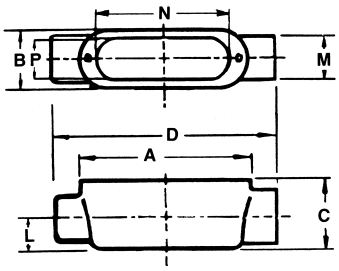
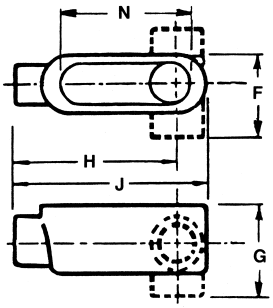
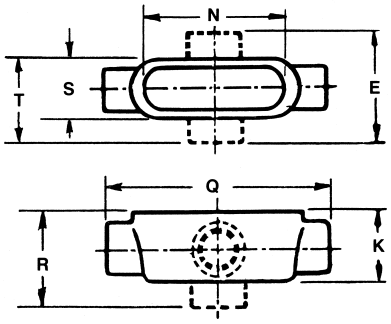
FM7™ Conduit Body Dimensions



Type C



Types E, L, LB, LL, LR



Types T, TA, TB, X

Dimensions in Inches

Hub Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
1/2	3.63	1.38	1.38	5.38	3.31	2.25	2.25	3.94	4.56	1.75	0.63	1.25	3.19	0.94	5.63	2.63	1.56	2.44
3/4	4.25	1.56	1.63	6.00	3.50	2.44	2.50	4.44	5.19	2.00	0.75	1.50	3.81	1.13	6.25	2.88	1.88	2.63
1	5.00	1.75	1.88	7.00	3.88	2.75	2.88	5.19	6.00	2.25	0.88	1.75	4.50	1.38	7.25	3.25	2.00	3.00
1-1/4	5.50	2.19	2.31	7.44	4.13	3.19	3.31	5.44	6.50	2.31	1.13	2.19	5.00	1.75	7.44	3.31	2.19	3.19
1-1/2	6.00	2.44	2.56	8.19	4.63	3.50	3.69	5.94	7.13	2.56	1.25	2.44	5.44	1.94	8.19	3.63	2.44	3.56
2	7.00	3.00	3.13	9.19	5.19	4.06	4.25	6.63	8.13	3.13	1.50	3.00	6.38	2.44	9.19	4.19	3.00	4.13
2-1/2	9.00	4.25	3.63	12.00	—	5.75	5.13	8.75	10.50	3.63	1.75	3.50	8.38	3.56	12.00	—	4.25	5.75
3	9.00	4.25	4.38	12.00	—	5.75	5.88	8.38	10.50	4.38	2.13	4.25	8.38	3.56	12.06	—	4.25	5.75
3-1/2	11.00	5.25	4.88	—	—	6.94	6.56	10.25	12.69	4.88	2.38	4.75	10.25	4.50	14.31	—	5.25	6.94
4	11.00	5.25	5.38	—	—	6.94	7.06	10.00	12.69	5.38	2.63	5.25	10.25	4.50	14.31	—	5.25	6.94

Fraction/Decimal Equivalents (Inches)

Fraction	Decimal	Fraction	Decimal	Fraction	Decimal	Fraction	Decimal
1/16	0.06	5/16	0.31	9/16	0.56	13/16	0.81
1/8	0.13	3/8	0.38	5/8	0.63	7/8	0.88
3/16	0.19	7/16	0.44	11/16	0.69	15/16	0.94
1/4	0.25	1/2	0.50	3/4	0.75	1	1.00

Wiring Capacity: FM7™ Conduit Bodies and Covers

Combine Body and Cover Capacities for Total usable Capacity per NEC 370-6(a)(1)

FM7™ Grayloy™–Iron Bodies and Covers: Threaded

Capacity in Cubic Inches

Hub Size (In.)	C	E	LB	LL LR	L	T	TA	TB	X	Stamped Cover	Cast Cover
1/2	4.0	4.0	4.0	4.0	5.0	6.0	6.0	6.0	6.0	0.3	0.4
3/4	7.0	7.0	7.0	7.0	9.0	10.0	10.0	10.0	10.0	0.5	0.8
1	11.0	11.0	11.0	11.0	13.5	15.5	15.5	15.5	15.5	1.3	1.3
1-1/4	20.0	—	20.0	20.0	22.5	20.0	20.0	20.0	20.0	1.8	2.0
1-1/2	28.0	—	28.0	28.0	31.0	28.0	28.0	28.0	28.0	2.3	3.0
2	50.0	—	50.0	50.0	55.0	50.0	50.0	50.0	50.0	2.8	4.8
2-1/2	102.0	—	102.0	102.0	—	102.0	—	—	—	9.8	9.7
3	133.0	—	133.0	133.0	—	133.0	—	—	—	9.8	9.7
3-1/2	—	—	218.0	218.0	—	218.0	—	—	—	16.5	16.0
4	—	—	244.0	244.0	—	244.0	—	—	—	16.5	16.0

FM7™ Aluminum Bodies and Covers: Threaded

Capacity in Cubic Inches

Hub Size (In.)	C	E	LB	LL LR	L	T	TA	TB	X	Stamped Cover	Cast Cover
1/2	4.0	4.0	4.0	4.0	—	6.0	—	6.0	6.0	0.3	0.4
3/4	7.0	7.0	7.0	7.0	—	10.0	—	10.0	10.0	0.5	0.8
1	11.0	11.0	11.0	11.0	—	15.5	—	15.5	15.5	1.3	1.3
1-1/4	20.0	—	20.0	20.0	—	20.0	—	20.0	20.0	1.8	2.0
1-1/2	28.0	—	28.0	28.0	—	28.0	—	28.0	28.0	2.3	3.0
2	50.0	—	50.0	50.0	—	50.0	—	50.0	50.0	2.8	4.8
2-1/2	102.0	—	102.0	102.0	—	102.0	—	—	—	9.8	9.7
3	133.0	—	133.0	133.0	—	133.0	—	—	—	9.8	9.7
3-1/2	—	—	218.0	218.0	—	218.0	—	—	—	16.5	16.0
4	—	—	244.0	244.0	—	244.0	—	—	—	16.5	16.0

FM8® Unilet® Conduit Outlet Bodies

For use with Rigid Steel, Rigid Aluminum, IMC, and EMT 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: Unilet® conduit outlet bodies

- 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.

Features: FM8® Series

❸Completely 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.
- FM8 Grayloy™-iron with "FG" Series cast covers and gaskets are approved for use in wet locations.
- Stainless steel screws on stamped and cast covers.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.

Standard Materials

- *Unilet conduit bodies:* Grayloyiron.
- *Covers:* cast Grayloy-iron, stamped steel; cover screws: stainless steel.
- *Gaskets:* neoprene.

Standard Finishes

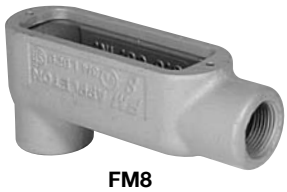
- *Grayloy-iron bodies:* triplecoat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *FM8 steel covers:* zinc electroplate.
- *FM8 Grayloy-iron covers:* triplecoat– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.

Compliances

- UL Standard 514A.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.
- Appleton Grayloy-iron products are a gray iron alloy with tensile strength similar to ASTM-A48 Class 30A (30,000 psi tensile), and with a Brinell hardness of approximately 180BH.

Product Cross Reference

- For explosionproof conduit outlet bodies and boxes, see Cat. Section J.
- For Mogul Unilets®, see pages A-17 through A-24.



FM8

❸ FM8 Grayloy™-iron Conduit Body with cast cover. 1" Type C shown.

*Form 8 ia a product of Crouse-Hinds, a member company of Cooper Industries.

Freedom of Choice. With new FM8 series added to Appleton's full-line family of conduit bodies, you have a single source for the right choice needed for every job– FM8 Grayloy-iron bodies and covers, FM7 Grayloy-iron or aluminum threaded bodies and covers... malleable iron Form 35... aluminum Form 85... and malleable iron or aluminum NEC Mogul 6x8x.

Interchangeable. Appleton FM8 bodies, covers and gaskets are completely interchangeable with equivalent Crouse-Hinds Form 8* bodies and covers. Applications and installation dimensions are also interchangeable.

No wire damage. Appleton FM8 bodies have a smooth, rounded, internal bushing in each hub and smooth cover openings to protect conductor insulation.

Full-line choice. Appleton FM8 bodies are offered in a complete range of hub configurations and sizes. FM8 covers are available in Grayloy-iron. Covers can be used without gaskets, or with a solid neoprene gasket. All Appleton FM8 bodies, covers and gaskets are interchangeable with Crouse-Hinds Form 8* bodies, covers and gaskets.

Approved for wet locations. FM8 Grayloy-iron bodies with cast covers and gasket are approved for use in wet locations. (NEMA 3R)

Maximum corrosion protection. Appleton FM8 Grayloy-iron conduit bodies and cast covers have a triple-coat finish– (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coating. FM8 blank steel covers have a zinc electroplate finish. Superior FM8 finish gives greater corrosion protection in wet or harsh environments, assuring long, trouble-free service.

Grayloy-iron properties. Grayloy™ is an Appleton proprietary cast graphite flake gray iron alloy with superior physical and mechanical properties offering strength, hardness, fracture toughness, high vibration absorption and dimensional stability. Tensile strength is similar to ASTM-A48 Class 30A (30,000 tensile), with Brinell hardness of approximately 180BH.

Aluminum properties. Aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

More wiring space. Appleton's FM8 flat-back design provides greater cubic content for easier wire pulling, and more room for splicing. FM8 flat back fits flush and snug against flat surfaces for more stable installation.

A

FM8® Grayloy™–Iron Unilet® Conduit Bodies with Covers and Gaskets

For use with Rigid Steel and IMC Conduit.

These Appleton FM8 conduit bodies, covers and gaskets have the same applications and installation dimensions as Crouse-Hinds Form 8 conduit bodies. Equivalent FM8 and Form 8 items are interchangeable.

Appleton FM8® Conduit Bodies NOTE: Refer to page A-15 for Wiring Capacity Table

Hub Size (in.)	C  Grayloy-Iron	LB  Grayloy-Iron	LL  Grayloy-Iron	LR  Grayloy-Iron
1/2	C18	LB18	LL18	LR18
3/4	C28	LB28	LL28	LR28
1	C38	LB38	LL38	LR38
1-1/4	C448	LB448	LL448	LR448
1-1/2	C58	LB58	LL58	LR58
2	C68	LB68	LL68	LR68
2-1/2	C78	LB78	LL78	LR78
3	C88	LB888	LL888	LR888
3-1/2	—	LB98	—	—
4	—	LB108	—	—

Hub Size (in.)	T  Grayloy-Iron	TB  Grayloy-Iron	X  Grayloy-Iron
1/2	T18	TB18	X18
3/4	T28	TB28	X28
1	T38	TB38	X38
1-1/4	T448	TB448	X448
1-1/2	T58	TB58	X58
2	T68	TB68	X68
2-1/2	T78	—	—
3	T88	—	—

Appleton FM8® Blank Covers and Gaskets (Covers furnished with stainless steel screws, 1-1/2"–4" covers provided with 4 screws)

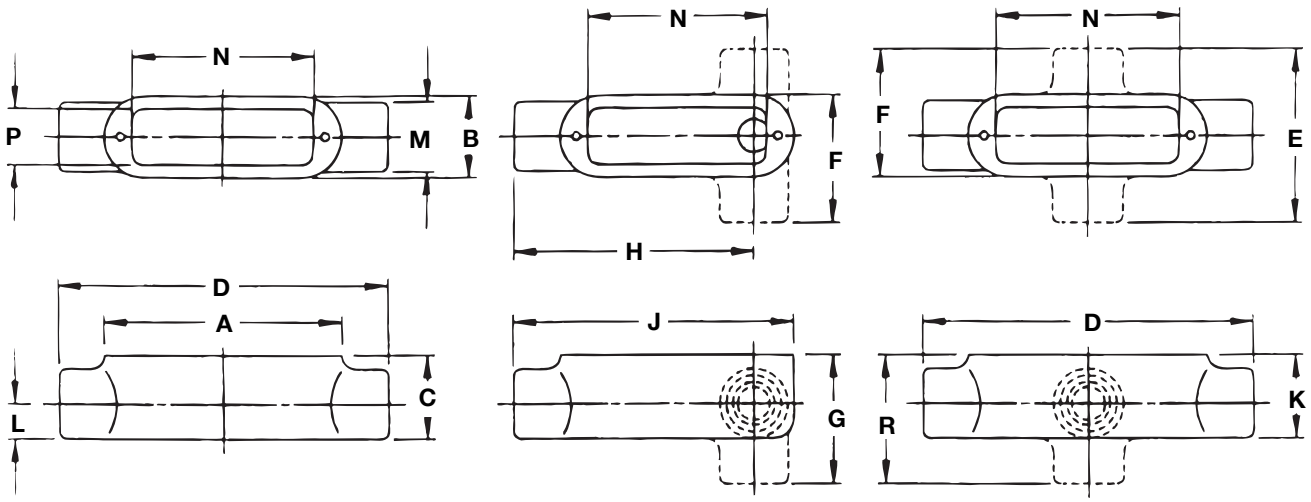
FM8 Body Size (in.)	Stamped Cover Steel 	Cast Cover Grayloy-Iron 	Solid Gasket Neoprene 	Open Gasket Neoprene 
1/2	180	180F	GASK851N	—
3/4	280	280F	GASK852N	—
1	380	380F	GASK853N	—
1-1/4	480	480F	GASK854N	—
1-1/2	580	580F	—	GASK805N
2	680	680F	—	GASK806N
2-1/2	880	880F	—	GASK808N
3	880	880F	—	GASK808N
3-1/2	980	980F	—	GASK809N
4	980	980F	—	GASK809N

Effective September, 2005

Appleton®

800-621-1506
www.appletonelec.com

FM8® Conduit Body Dimensions



TYPE C **TYPES E, LB, LL, LR** **TYPES T, TB, X**

Dimensions In Inches

Hub Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
1/2	4.22	1.47	1.47	5.94	3.13	2.31	2.28	4.38	5.09	1.78	0.63	1.25	3.28	1.00	2.59
3/4	4.81	1.66	1.69	6.56	3.31	2.50	2.50	4.91	5.75	2.00	0.75	1.50	3.94	1.19	2.81
1	5.59	1.84	1.97	7.56	3.72	2.78	2.91	5.72	6.63	2.28	0.88	1.75	4.53	1.38	3.22
1-1/4	6.56	2.19	2.38	8.44	4.06	3.13	3.31	6.41	7.50	2.63	1.09	2.19	5.31	1.75	3.56
1-1/2	7.88	2.78	2.78	10.38	5.28	4.03	4.03	7.75	9.13	2.78	1.38	2.44	6.50	2.09	4.03
2	9.75	3.88	3.56	12.38	6.38	5.13	4.81	9.19	11.13	3.56	1.88	3.00	8.63	3.00	4.81
2-1/2	12.25	5.00	4.44	15.63	—	6.69	6.13	11.44	13.94	4.44	2.50	3.50	10.88	4.25	—
3	12.25	5.00	4.81	15.63	—	6.69	6.50	11.44	13.94	4.81	2.50	4.25	10.88	4.25	—
3-1/2	15.00	6.25	5.69	—	—	—	7.56	13.75	16.88	—	3.13	4.75	13.44	5.44	—
4	15.00	6.25	5.94	—	—	—	7.81	13.75	16.88	—	3.13	5.25	13.44	5.44	—

Fraction/Decimal Equivalents (Inches)

Fraction	Decimal	Fraction	Decimal	Fraction	Decimal	Fraction	Decimal
1/32	0.03	9/32	0.28	17/32	0.53	25/32	0.78
1/16	0.06	5/16	0.31	9/16	0.56	13/16	0.81
3/32	0.09	11/32	0.34	19/32	0.59	27/32	0.84
1/8	0.13	3/8	0.38	5/8	0.63	7/8	0.88
5/32	0.16	13/32	0.41	21/32	0.66	29/32	0.91
3/16	0.31	7/16	0.44	11/16	0.69	15/16	0.94
7/32	0.22	15/32	0.47	23/32	0.72	31/32	0.97
1/4	0.25	1/2	0.50	3/4	0.75	1	1.00

Wiring Capacity: FM8® Conduit Bodies and Covers

Combine Body and Cover Capacities for Total usable Capacity per NEC 370-6(a)(1)

FM8® Grayloy™–Iron Bodies and Covers: Threaded

Capacity in Cubic Inches

Hub Size (In.)	C	E	LB	LL LR	L	T	TA	TB	X	Stamped Cover	Cast Cover
1/2	5.0	—	5.0	5.0	—	6.0	—	6.0	6.0	0.5	0.3
3/4	8.0	—	8.0	8.0	—	10.0	—	10.0	10.0	0.8	0.8
1	13.0	—	13.0	13.0	—	15.0	—	15.0	15.0	1.0	1.0
1-1/4	24.0	—	24.0	24.0	—	25.0	—	25.0	25.0	1.5	1.5
1-1/2	42.5	—	42.5	42.5	—	44.0	—	44.0	44.0	1.8	7.5
2	105.0	—	105.0	105.0	—	105.0	—	105.0	105.0	4.5	12.5
2-1/2	200.0	—	200.0	200.0	—	200.0	—	—	—	12.3	34.5
3	217.0	—	217.0	217.0	—	217.0	—	—	—	12.3	34.5
3-1/2	—	—	380.0	—	—	—	—	—	—	24.0	65.3
4	—	—	400.0	—	—	—	—	—	—	24.0	65.3

FM9™ Aluminum Unilet® Conduit Outlet Bodies, Covers and Gaskets

For use with Rigid Steel, Rigid Aluminum and IMC.

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: FM9 Unilet® conduit outlet bodies

- Roomy interiors: deep body cavity provides increased volume allowing higher wiring capacity.
- 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 Mark9™ bodies, gaskets and covers. Equivalent FM9 and Mark 9™ units have identical applications and installation dimensions.
- Seven body styles available in 1/2" to 4" sizes, TB's in 1/2" to 2" ans X's in 1/2" to1".

Features:

- Aluminum Unilets: produced from a high-strength copper-free (4/10 of 1% max.) alloy, for light weight and high corrosion resistance.
- FM9™ Formtite™ 9 covers with integral gasket are approved for use in wet locations.
- Covers are domed for extra wiring space.
- Smooth hub bushings and cover openings protect conductor insulation. Smooth hub openings allow easy conduit joining.
- Stainless steel pan-head cover screws secure cover to body and provide superior screwdriver seating and torque. Cover screws are captive to prevent loss in sizes 1/2" to 2".
- Hub size, body style, and compliance data molded into body in large, easy-to-read form. Also maximum wire number/size and cubic capacity.

LL Body with Formtite™ 9 Integral Gasket Cover

Captive Stainless Steel Pan-Head Cover Screws

Standard Materials

- Conduit bodies: copper-free aluminum.
- Covers: stamped copper-free aluminum
- Cover screws: stainless steel.
- *Gaskets*: Neoprene

Standard Finishes

- *Conduit bodies, covers and screws*: natural

Compliances

- UL Standard 514A.

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FM9™ Aluminum Unilet® Conduit Bodies, Covers and Gaskets

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

Appleton FM9 Conduit Bodies NOTE: Refer to page A–23 for Wiring Capacity Tables

Hub Size (in.)	C 	LB 	LL 	LR 
1/2	C19	LB19	LL19	LR19
3/4	C29	LB29	LL29	LR29
1	C39	LB39	LL39	LR39
1-1/4	C49	LB49	LL49	LR49
1-1/2	C59	LB59	LL59	LR59
2	C69	LB69	LL69	LR69
2-1/2	C789	LB789	LL789	LR789
3	C889	LB889	LL889	LR889
3-1/2	C989	LB989	LL989	LR989
4	C1089	LB1089	LL1089	LR1089

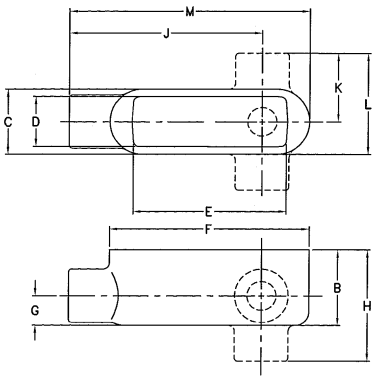
Hub Size (in.)	T 	TB 	X 
1/2	T19	TB19	X19
3/4	T29	TB29	X29
1	T39	TB39	X39
1-1/4	T49	TB49	—
1-1/2	T59	TB59	—
2	T69	TB69	—
2-1/2	T789	—	—
3	T889	—	—
3-1/2	T989	—	—
4	T1089	—	—

Appleton FM9 Blank Covers and Gaskets and Formtite™ 9 Stamped Aluminum Cover with Integral Gasket (Covers furnished with Stainless Steel Screws)

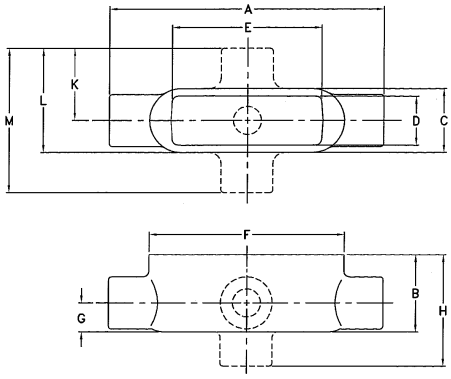
FM9 Body Size (in.)	Stamped Aluminum Cover 	Solid Gasket Neoprene 	Formtite™ 9 
1/2	190	GASK1941	190G
3/4	290	GASK1942	290G
1	390	GASK1943	390G
1-1/4	490	GASK1944	490G
1-1/2	590	GASK1945	590G
2	690	GASK1946	690G
2-1/2	889	GASK808N	889G
3	889	GASK808N	889G
3-1/2	989	GASK809N	989G
4	989	GASK809N	989G

A

FM9™ Conduit Body Dimensions



Type LB, LL & LR



Type C, T, TB & X

Dimensions in Inches

	Hub Size	A	B	C	D	E	F	G	H	J	K	L	M	N
C, LB, T, LL, & LR	1/2	4.97	1.56	1.38	1.06	3.28	4.22	0.63	2.31	3.59	1.44	2.13	–	4.59
	3/4	5.69	1.81	1.56	1.22	3.94	4.81	0.75	2.59	4.09	1.59	2.38	–	2.52
	1	6.59	2.06	1.75	1.41	4.56	5.59	0.88	3.03	4.84	1.84	2.72	–	6.09
	1-1/4	7.63	2.69	2.19	1.88	5.25	6.56	1.09	3.75	5.38	2.16	3.25	–	7.09
	1-1/2	8.25	3.03	2.53	2.19	5.94	7.25	1.25	4.03	6.00	2.25	3.53	–	7.81
	2	10.69	3.75	3.19	2.81	8.06	9.56	1.50	4.88	7.88	2.66	4.25	–	10.13
	2-1/2	15.63	4.94	5.00	4.25	10.88	12.25	2.50	6.63	11.44	4.19	6.69	–	13.94
	3	15.63	5.31	5.00	4.25	10.88	12.25	2.50	7.00	11.44	4.19	6.69	–	13.94
	3-1/2	18.75	6.19	6.25	5.44	13.44	15.00	3.13	8.06	13.75	5.00	8.13	–	16.88
	4	18.75	6.44	6.25	5.44	13.44	15.00	3.13	8.31	13.75	5.00	8.13	–	16.88
TB & X	1/2	5.94	1.94	1.38	1.03	3.28	4.22	0.63	2.75	–	1.56	2.25	3.13	5.06
	3/4	6.56	2.22	1.56	1.22	3.94	4.81	0.75	3.03	–	1.66	2.44	3.31	5.69
	1	7.50	2.44	1.75	1.38	4.56	5.59	0.88	3.38	–	1.84	2.72	3.69	6.53
	1-1/4	8.50	2.69	2.19	1.75	5.25	6.56	1.09	3.75	–	–	–	–	7.53
	1-1/2	8.25	3.03	2.53	2.19	5.94	7.25	1.25	4.03	–	–	–	–	7.81
	2	10.69	3.75	3.19	2.75	8.06	9.56	1.50	4.88	–	–	–	–	10.13

Wiring Capacity in Cubic Inches

Hub Size	C	LB	LL / LR	T	TB	X	Cover
1/2	4.8	5.0	5.3	5.0	6.8	7.3	0.5
3/4	7.8	8.3	8.5	8.3	11.0	11.3	0.8
1	12.3	12.8	13.3	12.5	16.5	17.0	1.0
1-1/4	25.3	26.5	27.3	26.3	25.8		1.5
1-1/2	37.5	39.0	39.8	38.5	36.5		2.5
2	77.5	81.3	82.8	79.5	77.0		6.5
2-1/2	230.0	230.0	230.0	230.0			12.3
3	250.0	250.0	250.0	250.0			12.3
3-1/2	450.0	450.0	450.0	450.0			24.0
4	470.0	470.0	470.0	470.0			24.0

Fraction/Decimal Equivalents (Inches)

Fraction	Decimal	Fraction	Decimal
1/16	0.06	9/16	0.56
1/8	0.13	5/8	0.63
3/16	0.19	11/16	0.69
1/4	0.25	3/4	0.75
5/16	0.31	13/16	0.81
3/8	0.38	7/8	0.88
7/16	0.44	15/16	0.94
1/2	0.50	1	1.00

Mogul Unilet® Conduit Outlet Bodies: NEC 6x8x Series (C, LB and UB) and Types LL, LR and T

For use with Threaded Rigid Metal Conduit and IMC.
Complete with Assembled Cover and Neoprene Gasket.

Applications

- Larger body size facilitates pulling of large and heavy conductors. Specially designed raised cast covers provide additional wiring area.
- Mogul Unilets® for pulling straight, 45° or 90° angle turns and/or making taps and splices.

Features

- LB and UB Moguls

Length Requirement: distance between centerline of each hub bushing (conduit stop) exceeds six times the trade diameter of the conduit per NEC 314-28(a)(2).

Bending Space Requirement: these moguls also meet the NEC 314-28(a)(2) Exception requirement spelled out in NEC 312-6(a) Table.

- C Moguls

Length Requirement: distance between centerline of each hub bushing (conduit stop) exceeds eight times the trade diameter of the conduit per NEC 314-28(a)(1).

Bending Space Requirement: not applicable.

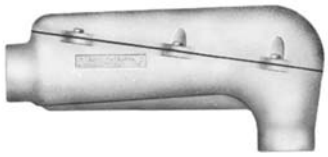
- *LL and LR Moguls:* Like LB moguls, these moguls have an end hub. However, the second hub is in the side (LL left and LR right) instead of the back.*
- *T Moguls:* These are like "C" moguls (1" thru 4"), except with an additional middle side hub. Distance between the centerline of each "C" hub conduit stop exceeds eight times the trade diameter of the conduit per NEC 314-28(a)(1).*
- Exclusive built-in rollers facilitate cable pulling. Available on NEC 6x8x Series Moguls (C, LB and UB) in sizes 1-1/4" and up.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Covers have captive stainless steel screws to speed installation, prevent "freezing" of screws.

*If less than maximum conductors permitted by NEC are used, smaller wires may be used additionally through "LL", "LR" or "T" hubs. If large conductors are required to be bent in "LL", "LR" or "T" direction, order junction boxes instead from Cat. Sec. C.

NEC 6x8x SERIES MOGULS

C Type NEC 8x

LB Type 1" - 2" NEC 6x



LB Type 2-1/2" - 4" NEC 6x

UB Type NEC 6x

LL, LR AND T MOGULS

LR Type NEC 6x

LL Type NEC 6x

T Type NEC 8x

Standard Materials

- Malleable iron or aluminum.
- Gaskets: Neoprene.

Standard Finishes

- *Malleable iron bodies and covers:* triple-coat — (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.
- *Aluminum bodies and covers:* epoxy powder coat.

Compliances

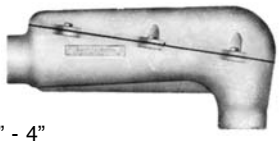
- UL Standard 514A.
- NEC 6x8x Series moguls comply with NEC 314-28(a)-1-2.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Div. 2 areas, if installed in compliance with NEC 501-4(b).

- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

Patented rollers make cable-pulling easier, eliminate insulation damage.

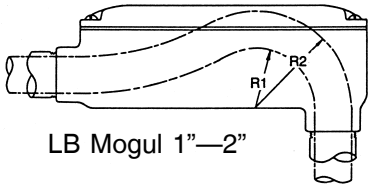
NEC 6x8x Series (C, LB and UB) and Types LL, LR and T Mogul Unilet® Malleable Iron or Aluminum

For use with Threaded Rigid Metal Conduit and IMC.
Furnished with Assembled Cast Cover and Neoprene Gasket.
NOTE: Refer to page A-24 for Wiring Capacity Tables.

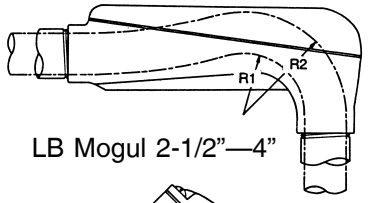
	Type	Hub Size (In.)	Body, Cover & Gasket Malleable Iron	Body, Cover & Gasket Aluminum	Gasket Only	Cover & Gasket Malleable Iron	Cover & Gasket Aluminum
 1" - 2"  2-1/2" - 4"	**C** NEC 8X	◊ Patented Roller Feature					
		1	**BC100-M**	**BC100-A**	**BG100**	**BKG100-M**	**BKG100-A**
		1-1/4	**BC125-M◊**	**BC125-A◊**	**BGC125**	**BKGC125-M**	**BKGC125-A**
		1-1/2	**BC150-M◊**	**BC150-A◊**	**BG150**	**BKG150-M**	**BKG150-A**
		2	**BC200-M◊**	**BC200-A◊**	**BGC200**	**BKGC200-M**	**BKGC200-A**
		2-1/2	**BC250-M◊**	**BC250-A◊**	**BGC250**	**BKGC250-M**	**BKGC250-A**
		3	**BC300-M◊**	**BC300-A◊**	**BGC300**	**BKGC300-M**	**BKGC300-A**
		3-1/2	**BC350-M◊**	**BC350-A◊**	**BGC350**	**BKGC350-M**	**BKGC350-A**
		4	**BC400-M◊**	**BC400-A◊**	**BGC400**	**BKGC400-M**	**BKGC400-A**
 1" - 2"  2-1/2" - 4"	**LB** NEC 6X	◊ Patented Roller Feature					
		1	**BLB100-M**	**BLB100-A**	**BG100**	**BKG100-M**	**BKG100-A**
		1-1/4	**BLB125-M◊**	**BLB125-A◊**	**BGL125**	**BKGL125-M**	**BKGL125-A**
		1-1/2	**BLB150-M◊**	**BLB150-A◊**	**BG150**	**BKG150-M**	**BKG150-A**
		2	**BLB200-M◊**	**BLB200-A◊**	**BGL200**	**BKGL200-M**	**BKGL200-A**
		2-1/2	**BLB250-M◊**	**BLB250-A◊**	**BGL250**	**BKGL250-M**	**BKGL250-A**
		3	**BLB300-M◊**	**BLB300-A◊**	**BGL300**	**BKGL300-M**	**BKGL300-A**
		3-1/2	**BLB350-M◊**	**BLB350-A◊**	**BGL350**	**BKGL350-M**	**BKGL350-A**
		4	**BLB400-M◊**	**BLB400-A◊**	**BGL400**	**BKGL400-M**	**BKGL400-A**
 1" - 2"  2-1/2" - 4"	**UB** NEC 6X	◊ Patented Roller Feature					
		1	**BUB100-M**	**BUB100-A**	**BG100**	**BKG100-M**	**BKG100-A**
		1-1/4	**BUB125-M◊**	**BUB125-A◊**	**BGL125**	**BKGL125-M**	**BKGL125-A**
		1-1/2	**BUB150-M◊**	**BUB150-A◊**	**BG150**	**BKG150-M**	**BKG150-A**
		2	**BUB200-M◊**	**BUB200-A◊**	**BGL200**	**BKGL200-M**	**BKGL200-A**
		2-1/2	**BUB250-M◊**	**BUB250-A◊**	**BGL250**	**BKGC250-M**	**BKGC250-A**
		3	**BUB300-M◊**	**BUB300-A◊**	**BGL300**	**BKGU300-M**	**BKGU300-A**
		3-1/2	**BUB350-M◊**	**BUB350-A◊**	**BGL350**	**BKGC350-M**	**BKGC350-A**
		4	**BUB400-M◊**	**BUB400-A◊**	**BGL400**	**BKGU400-M**	**BKGU400-A**
 1" - 2"	**LL** NEC 6X	1	**BLL100-M**	**BLL100-A**	**BG100**	**BKG100-M**	**BKG100-A**
		1-1/4	**BLL125-M**	**BLL125-A**	**BGL125**	**BKGL125-M**	**BKGL125-A**
		1-1/2	**BLL150-M**	**BLL150-A**	**BG150**	**BKG150-M**	**BKG150-A**
		2	**BLL200-M**	**BLL200-A**	**BGL200**	**BKGL200-M**	**BKGL200-A**
 1" - 2"	**LR** NEC 6X	1	**BLR100-M**	**BLR100-A**	**BG100**	**BKG100-M**	**BKG100-A**
		1-1/4	**BLR125-M**	**BLR125-A**	**BGL125**	**BKGL125-M**	**BKGL125-A**
		1-1/2	**BLR150-M**	**BLR150-A**	**BG150**	**BKG150-M**	**BKG150-A**
		2	**BLR200-M**	**BLR200-A**	**BGL200**	**BKGL200-M**	**BKGL200-A**
 1" - 2"  2-1/2" - 4"	**T** NEC 8X	1	**BT100-M**	**BT100-A**	**BG100**	**BKG100-M**	**BKG100-A**
		1-1/4	**BT125-M**	**BT125-A**	**BGC125**	**BKGC125-M**	**BKGC125-A**
		1-1/2	**BT150-M**	**BT150-A**	**BG150**	**BKG150-M**	**BKG150-A**
		2	**BT200-M**	**BT200-A**	**BGC200**	**BKGC200-M**	**BKGC200-A**
		2-1/2	**BT250-M**	**BT250-A**	**BGC250**	**BKGC250-M**	**BKGC250-A**
		3	**BT300-M**	**BT300-A**	**BGC300**	**BKGC300-M**	**BKGC300-A**
		3-1/2	**BT350-M**	**BT350-A**	**BGC350**	**BKGC350-M**	**BKGC350-A**
		4	**BT400-M**	**BT400-A**	**BGC400**	**BKGC400-M**	**BKGC400-A**

For Dimensions, See Pages A-22 and A-23.

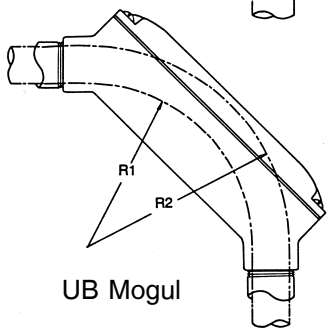
Bending RADII and Bending Space of Appleton LB and UB Moguls



LB Mogul 1”—2”



LB Mogul 2-1/2”—4”



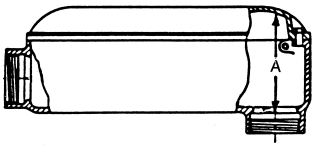
UB Mogul

Bending RADII of Appleton Moguls

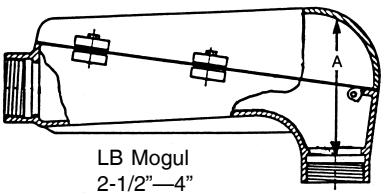
Catalog Number	Hub Size (Inches)	Type	R1 (Inches)	R2 (Inches)
BLB100-A,M	1		1.625	2.625
BLB125-A,M	1-1/4		2.250	3.625
BLB150-A,M	1-1/2	**LB**	2.625	4.125
BLB200-A,M	2		3.000	5.000
BLB250-A,M	2-1/2		3.875	6.250
BLB300-A,M	3		5.000	8.000
BLB350-A,M	3-1/2		5.000	8.375
BLB400-A,M	4		6.250	10.250
BUB100-A,M	1		4.500	5.500
BUB125-A,M	1-1/4		4.625	6.000
BUB150-A,M	1-1/2		7.000	8.500
BUB200-A,M	2	**UB**	7.500	9.500
BUB250-A,M	2-1/2		13.125	15.500
BUB300-A,M	3		13.875	16.875
BUB350-A,M	3-1/2		19.750	23.250
BUB400-A,M	4		20.750	24.750

Appleton Compliances with NEC Bending Space Requirements

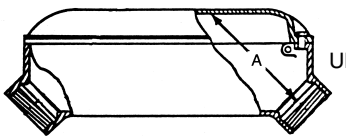
BENDING SPACE DEFINED:
NEC 370-28(a)(2) Exception.
This article applies to LB and UB Moguls, defines bending space and refers to NEC 373-6(a) Table as guideline for determining minimum bending space distance. Bending space is illustrated as Dimension “A” below:



LB Mogul 1”—2”



LB Mogul 2-1/2”—4”



UB Mogul

MINIMUM WIRE BENDING SPACE:
NEC 373-6(a) Table
The applicable portion of this table is shown below. Only the “1 Wire Per Terminal” column is retained, because the others are not applicable. Example for using table below and table at right:
EXAMPLE:
350MCM wire size requires 5” bending space. A 2” LB or UB Appleton Mogul is suitable.

AWG or Circular-Mill. Size of Wire	1 Wire per Terminal Min.Bending Space
14-10	Not Specified
8-6	1-1/2”
4-3	2”
2	2-1/2”
1	3”
0-00	3-1/2”
000-0000	4”
250 MCM	4-1/2”
300-350 MCM	5”
400-500 MCM	6”
600-700 MCM	8”
750-900 MCM	8”
1,000-1,250 MCM	10”
1,500-2,000 MCM	12”

BENDING SPACE OF APPLETON MOGULS (Dim. “A” in sketches at left)

Mogul Size	Type	Distance
1	LB,UB	2-1/2”
1-1/4	LB,UB	3-1/2”
1-1/2	LB, UB	4”
2	LB, UB	5”
2-1/2	LB, UB	6”
3	LB, UB	8”
3-1/2	LB, UB	8”
4	LB, UB	10”

NOTE ON RADII TABLE: Secure cable or wire bending radius from manufacturer. Then select a mogul having this radius or more. If radius is 6-1/4”, an LB 2-1/2” mogul or BUB 1-1/2” mogul is suitable.

NOTE ON NEC 373-6(a) TABLE: Because cable sizes vary, table is limited to single wire sizes. Use as guideline only for cable sizes.

Effective September, 2005

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NEC 6x8x Series Moguls (C, LB and UB) Comply with NEC Large–Wire Requirements

Applicable NEC References for C, LB and UB Moguls

●Straight Pull Length Requirements: NEC 314.28(A)(2)— C Moguls

"... shall not be less than eight times the trade diameter of the largest raceway."

(See table at right.)

●Angle or U Pull Length Requirements: NEC 314.28(A)(2)— LB, UB Moguls

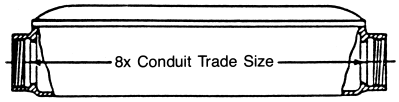
"The distance between each raceway entry inside the box and the opposite wall of the box shall not be less than six times the tradediameter of the largest raceway."

(See next page.)

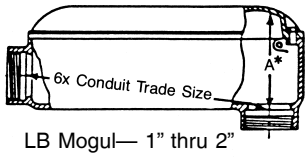
●Bending-Space Requirements: NEC 314.28(A)(2). Exception 312.6(A) Table— LB, UB Moguls

"Where a conduit or cable entry is in the wall of a box or conduit body opposite to a removable cover." (See dim. "A" below, table on next page and page 11G.)

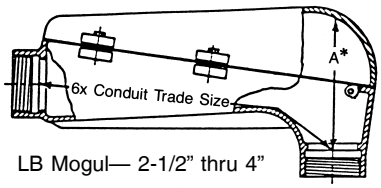
●Length and Bending Space Requirements:



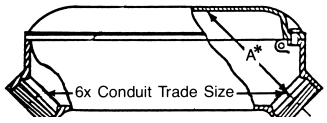
C Mogul— 1" thru 4"



LB Mogul— 1" thru 2"



LB Mogul— 2-1/2" thru 4"



UB Mogul— 1" thru 4"

*Dimension "A" is bending space.

BENDING SPACE EXAMPLE: LB with 3" hubs (Cat. No. BLB300-M) using 500MCM wire with four conductors.

Table on next page shows that, in this example, NEC requires a bending space of 6" and that the Appleton 3" LB provides a bending space of 8".

**For table on angle or U pulls, see next page.

C Moguls— Straight Pulls: Maximum No. Conductors, Minimum Lengths**

WIRE SIZE ❶	MAX. NO. CONDUCTORS PER NEC ❷	LENGTH REQUIREMENTS (Conduit Stop to Conduit Stop) PER NEC ❸	APPLETON	MAX. NO. CONDUCTORS PER NEC ❷	LENGTH REQUIREMENTS (Conduit Stop to Conduit Stop) PER NEC ❸	APPLETON
	1" HUBS	**BC100-M and BC100-A**		**1–1/4" HUBS**	**BC125-M and BC125-A**	
4	4	8"	8"	7	10"	10"
3	3	8"	8"	6	10"	10"
2	3	8"	8"	5	10"	10"
1	-	-	-	3	10"	10"
0	-	-	-	3	10"	10"
	1–1/2" HUBS	**BC150-M and BC150-A**		**2" HUBS**	**BC200-M and BC200-A**	
4	9	12"	12"	16	16"	16"
3	8	12"	12"	13	16"	16"
2	7	12"	12"	11	16"	16"
1	5	12"	12"	8	16"	16"
0	4	12"	12"	7	16"	16"
00	3	12"	12"	6	16"	16"
000	3	12"	12"	5	16"	16"
0000	-	-	-	4	16"	16"
250	-	-	-	3	16"	16"
300	-	-	-	3	16"	16"
	2–1/2" HUBS	**BC250-M and BC250-A**		**3" HUBS**	**BC300-M and BC300-A**	
4	22	20"	20"	35	24"	24"
3	19	20"	20"	29	24"	24"
2	16	20"	20"	25	24"	24"
1	12	20"	20"	18	24"	24"
0	10	20"	20"	15	14"	24"
00	8	20"	20"	13	24"	24"
000	7	20"	20"	11	24"	24"
0000	6	20"	20"	9	24"	24"
250	4	20"	20"	7	24"	24"
300	4	20"	20"	6	24"	24"
350	3	15"	20"	5	24"	24"
400	3	15"	20"	5	24"	24"
500	-	-	-	4	24"	24"
600	-	-	-	3	24"	24"
700	-	-	-	3	24"	24"
	3–1/2" HUBS	**BC350-M and BC350-A**		**4" HUBS**	**BC400-M and BC400-A**	
4	47	28"	28"	60	32"	32"
3	39	28"	28"	51	32"	32"
2	33	28"	28"	43	32"	32"
1	25	28"	28"	32	32"	32"
0	21	28"	28"	27	32"	32"
00	17	28"	28"	32	32"	32"
000	14	28"	28"	18	32"	32"
0000	12	28"	28"	15	32"	32"
250	10	28"	28"	12	32"	32"
300	8	28"	28"	11	32"	32"
350	7	28"	28"	9	32"	32"
400	6	28"	28"	8	32"	32"
500	5	28"	28"	7	32"	32"
600	4	28"	28"	5	32"	32"
700	4	28"	28"	5	32"	32"
750	3	28"	28"	4	32"	32"
800	3	28"	28"	4	32"	32"
900	3	28"	28"	4	32"	32"
1000	-	-	-	3	32"	32"

❶NEC 370-28(a). Limited to minimum #4 wire. ❷NEC Chapter 9, Table 3B.
❸NEC 370-28(a)(1). This is 8 times conduit trade size

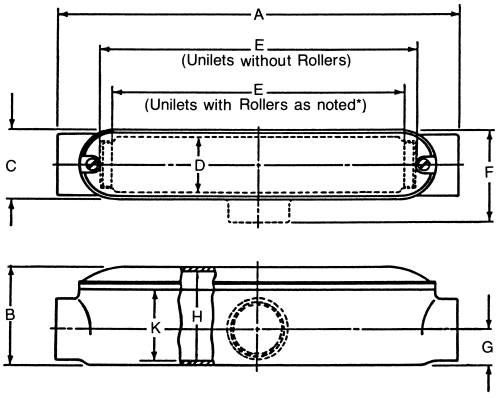
NEC 6x8x Series Moguls (C, LB and UB) Comply with NEC Large–Wire Requirements

LB and UB Moguls– Angle or U Pulls: Max. No. Conductors, Min. Lengths, Min. Bending Spaces

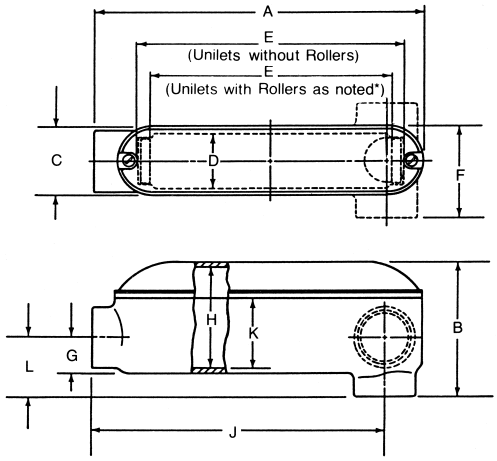
WIRE SIZE [1]	MAX. NO. CONDUCTORS PER NEC [2]	LENGTH REQUIREMENTS (Conduit Stop to Conduit Stop) PER NEC [3]	LENGTH REQUIREMENTS (Conduit Stop to Conduit Stop) APPLETON	"A" BENDING SPACE REQUIREMENTS PER NEC [4]	"A" BENDING SPACE REQUIREMENTS APPLETON	MAX. NO. CONDUCTORS PER NEC [2]	LENGTH REQUIREMENTS (Conduit Stop to Conduit Stop) PER NEC [3]	LENGTH REQUIREMENTS (Conduit Stop to Conduit Stop) APPLETON	"A" BENDING SPACE REQUIREMENTS PER NEC [4]	"A" BENDING SPACE REQUIREMENTS APPLETON
	1" HUBS		**BLB100-M, BLB100-A BUB100-M and BUB100-A**			**1–1/4" HUBS**		**BLB125-M, BLB125-A BUB125-M and BUB200-A**		
4	4	6"	6"	2"	2-1/2"	7	7-1/2"	7-1/2"	2"	3-1/2"
3	3	6"	6"	2"	2-1/2"	6	7-1/2"	7-1/2"	2"	3-1/2"
2	3	6"	6"	2-1/2"	2-1/2"	5	7-1/2"	7-1/2"	2-1/2"	3-1/2"
1	-	-	-	-	-	3	7-1/2"	7-1/2"	3"	3-1/2"
0	-	-	-	-	-	3	7-1/2"	7-1/2"	3-1/2"	3-1/2"
	1–1/2" HUBS		**BLB150-M, BLB150-A BUB150-M and BUB150-A**			**2" HUBS**		**BLB200-M, BLB200-A BUB200-M and BUB200-A**		
4	9	9"	9"	2"	4"	16	12"	12"	2"	5"
3	8	9"	9"	2"	4"	13	12"	12"	2"	5"
2	7	9"	9"	2-1/2"	4"	11	12"	12"	2-1/2"	5"
1	5	9"	9"	3"	4"	8	12"	12"	3"	5"
0	4	9"	9"	3-1/2"	4"	7	12"	12"	3-1/2"	5"
00	3	9"	9"	3-1/2"	4"	6	12"	12"	3-1/2"	5"
000	3	9"	9"	4"	4"	5	12"	12"	4"	5"
0000	-	-	-	-	-	4	12"	12"	4"	5"
250	-	-	-	-	-	3	12"	12"	4-1/2"	5"
300	-	-	-	-	-	3	12"	12"	5"	5"
	2–1/2" HUBS		**BLB250-M, BLB250-A BUB250-M and BUB250-A**			**3" HUBS**		**BLB300-M, BLB300-A BUB300-M and BUB300-A**		
4	22	15"	15"	2"	6"	35	18"	18"	2"	8"
3	19	15"	15"	2"	6"	29	18"	18"	2"	8"
2	16	15"	15"	2-1/2"	6"	25	18"	18"	2-1/2"	8"
1	12	15"	15"	3"	6"	18	18"	18"	3"	8"
0	10	15"	15"	3-1/2"	6"	15	18"	18"	3-1/2"	8
00	8	15"	15"	3-1/2"	6"	13	18"	18"	3-1/2"	8"
000	7	15"	15"	4"	6"	11	18"	18"	4"	8"
0000	6	15"	15"	4"	6"	9	18"	18"	4"	8"
250	4	15"	15"	4-1/2"	6"	7	18"	18"	4-1/2"	8"
300	4	15"	15"	5	6"	6	18"	18"	5"	8"
350	3	15"	15"	5"	6"	5	18"	18"	5"	8"
400	3	15"	15"	6"	6"	5	18"	18"	6"	8"
500	-	-	-	-	-	4	18"	18"	6"	8"
600	-	-	-	-	-	3	18"	18"	8"	8"
700	-	-	-	-	-	3	18"	18"	8"	8"
	3–1/2" HUBS		**BLB350-M, BLB350-A BUB350-M and BUB350-A**			**4" HUBS**		**BLB400-M, BLB400-A BUB400-M and BUB400-A**		
4	47	21"	21"	2"	8"	60	24"	24"	2"	10"
3	39	21"	21"	2"	8"	51	24"	24"	2"	10"
2	33	21"	21"	2-1/2"	8"	43	24"	24"	2-1/2"	10"
1	25	21"	21"	3"	8"	32	24"	24"	3"	10"
0	21	21"	21"	3-1/2"	8"	27	24"	24"	3-1/2"	10"
00	17	21"	21"	3-1/2"	8"	22	24"	24"	3-1/2"	10"
000	14	21"	21"	4"	8"	18	24"	24"	4"	10"
0000	12	21"	21"	4"	8"	15	24"	24"	4"	10"
250	10	21"	21"	4-1/2"	8"	12	24"	24"	4-1/2"	10"
300	8	21"	21"	5"	8"	11	24"	24"	5"	10"
350	7	21"	21"	5"	8"	9	24"	24"	5"	10"
400	6	21"	21"	6"	8"	8	24"	24"	6"	10"
500	5	21"	21"	6"	8"	7	24"	24"	6"	10"
600	4	21"	21"	8"	8"	5	24"	24"	8"	10"
700	4	21"	21"	8"	8"	5	24"	24"	8"	10"
750	3	21"	21"	8"	8"	4	24"	24"	8"	10"
800	3	21"	21"	8"	8"	4	24"	24"	8"	10"
900	3	21"	21"	8"	8"	4	24"	24"	8"	10"
1000	-	-	-	-	-	3	24"	24"	10"	10"

[1] NEC 370-28(a). Limited to minimum #4 wire. [2] NEC Chapter 9, Table 3B. [3] NEC 370-28(a)(2) This is 6 times conduit trade size.
[4] NEC 370-28(a)(2) Exception (373-6(a) Table). This is distance "A" bending space illustrated on preceding page.

Dimensions:
Mogul Types C, T, LL and LR



Types C & T



Types LB,† LL & LR

Dimensions in Inches

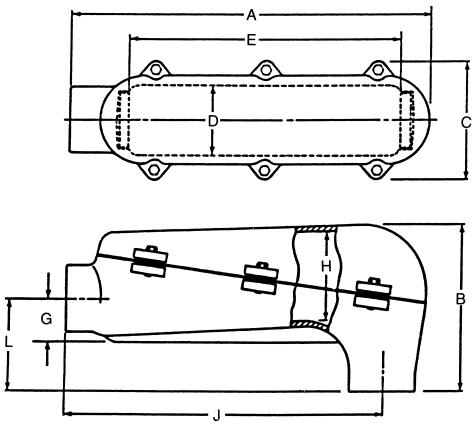
Type Mogul	Hub Trade Size (In.)	A	B	C	D	E	F	G	H	J	K
C	1	9.81	2.75	2.38	1.88	6.63		.94	2.44		1.88
	1-1/4*	12.00	3.31	2.38	1.88	7.69		1.16	3.00		2.19
	1-1/2*	13.94	3.75	3.13	2.50	9.31		1.38	3.38		2.56
	2*	17.94	4.44	3.13	2.50	13.00		1.63	4.00		3.18
	2-1/2*	23.25	5.13	4.63	3.75	17.50		1.81	4.63		3.63
	3*	26.88	5.94	4.63	3.63	21.00		2.16	5.44		4.38
	3-1/2*	31.38	7.19	5.63	4.50	24.94		2.50	6.69		4.88
	4*	35.38	7.56	5.63	4.50	28.94		2.75	7.06		5.25
T	1	9.81	2.75	2.38	1.88	6.63	3.25	.94	2.44		1.88
	1-1/4	12.00	3.31	2.38	1.88	8.56	3.38	1.16	3.00		2.19
	1-1/2	13.94	3.75	3.13	2.50	10.38	4.13	1.38	3.38		2.56
	2	17.94	4.44	3.13	2.50	14.13	4.13	1.63	4.00		3.18
	2-1/2	23.25	5.13	4.63	3.75	18.69	6.00	1.81	4.63		3.63
	3	26.88	5.94	4.63	3.63	22.19	6.00	2.16	5.44		4.38
	3-1/2	31.38	7.19	5.63	4.50	26.19	7.25	2.50	6.69		4.88
	4	35.38	7.56	5.63	4.50	30.19	7.25	2.75	7.06		5.25
LL,LR	1	8.94	2.75	2.38	1.88	6.63	3.25	.94	2.44	7.88	1.88
	1-1/4	9.69	3.31	2.38	1.88	7.25	3.38	1.16	3.00	8.50	2.19
	1-1/2	13.00	3.75	3.13	2.50	10.38	4.13	1.38	3.38	11.63	2.56
	2	14.63	5.00	3.13	2.50	11.81	4.13	1.63	4.56	12.94	3.44

* Furnished with patented rollers for easier cable pulling.

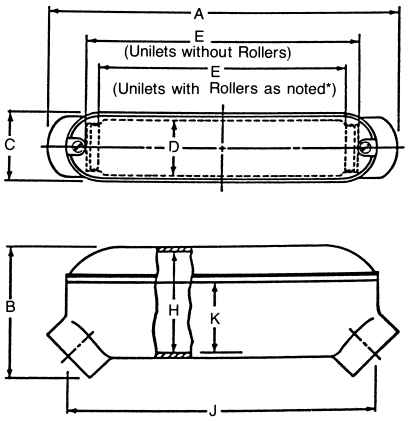
Type Mogul	Number of Cover Holes
All LB, LL and LR plus C, T and UB 1" thru 2" sizes	Two
C, T and UB 2-1/2" thru 4" sizes	Four
All LB 2-1/2" thru 4" sizes	Six

† See page A-23 for dimension table on LB Mogul type.

Dimensions:
Mogul Types LB and UB



Type LB (2-1/2" thru 4")†



Type UB

Dimensions In Inches

Type Mogul	Hub Trade Size (In.)	A	B	C	D	E	G	H	J	K	L
LB	1	8.94	3.63	2.38	1.88	6.63	.94	2.44	7.88	1.88	1.88
	1-1/4*	9.69	4.75	2.38	1.88	6.31	1.16	3.44	8.50	2.63	2.16
	1-1/2*	13.00	5.25	3.13	2.50	9.31	1.38	3.94	11.63	3.06	2.38
	2*	14.63	6.31	3.13	2.50	10.75	1.63	4.88	12.94	3.44	2.69
	2-1/2*	17.88	8.00	5.88	3.50	13.75	2.13	4.13	15.81		4.56
	3*	21.06	10.00	5.88	3.50	17.00	2.50	5.13	18.50		5.38
	3-1/2*	24.31	10.25	7.00	4.63	19.88	3.00	4.75	21.38		6.63
	4*	27.50	12.50	7.00	4.63	23.00	3.25	6.38	24.38		7.00
UB	1	9.63	3.50	2.38	1.88	6.63		2.44	8.44	1.88	
	1-1/4*	10.25	4.13	2.38	1.88	6.31		3.00	8.94	2.19	
	1-1/2*	13.69	4.63	3.13	2.50	9.31		3.38	12.19	2.56	
	2*	15.25	5.00	3.13	2.50	10.75		4.56	13.38	3.18	
	2-1/2*	22.88	7.06	4.63	3.75	17.50		5.44	20.13	4.38	
	3*	22.88	7.31	4.63	3.75	17.50		6.81	20.13	4.38	
	3-1/2*	30.88	8.94	5.63	4.50	24.88		7.06	27.50	5.25	
	4*	30.88	10.31	5.63	4.50	24.88		8.44	27.50	5.25	

* Furnished with patented rollers for easier cable pulling.

† See page A-22 for illustration of LB in sizes 1" thru 2".

Type Mogul	Number of Cover Holes
All LB, LL and LR plus C, T and UB 1" thru 2" sizes	Two
C, T and UB 2-1/2" thru 4" sizes	Four
All LB 2-1/2" thru 4" sizes	Six

Effective September, 2005

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Wiring Capacity: Mogul Bodies with Cover

Body and Cover Capacities Combined for Total Usable Capacity per NEC 370-6(a)(1).

Mogul Bodies with Covers: Malleable Iron and Aluminum

CAPACITY IN CUBIC INCHES

Hub Size, Inches	Type Mogul	Capacity, Cu. In.
1	C, LB, LL LR, T, UB	31
1-1/4	C, T LB LL, LR UB	50 48 42 40
1-1/2	C, LL, LR, T LB UB	93 107 91
2	C, T LB LL, LR, UB	143 145 134
2-1/2	C, T LB UB	335 210 375
3	C, T LB UB	475 345 445
3-1/2	C, T LB UB	830 500 840
4	C, T LB UB	1010 740 960

LBD and LBDN Pulling Fittings: Malleable Iron, Aluminum

UNILET® for use with Threaded Rigid Metal Conduit and IMC. Furnished with Cover and Gasket.

Features

- Serve as pulling fittings—ideal for heavy, difficult-to-bend conductors.
- Make 90° bends in conduit—straight pull through hubs in either direction.
- Use as service entrance fitting.
- Complete with gasketed covers.

Standard Materials

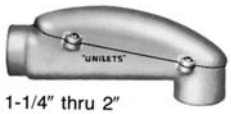
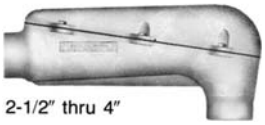
- *Unilets and covers:* malleable iron (some in aluminum).
- *Gaskets:* Neoprene or composition fiber.

Standard Finishes

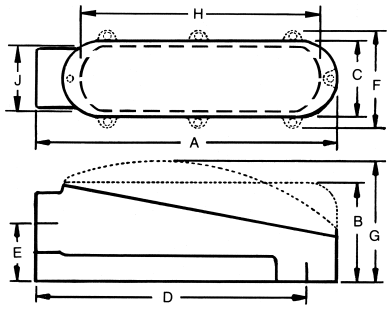
- *Malleable iron bodies and covers:* triple-coat — (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.
- *Aluminum bodies and covers:* epoxy powder coat.

Compliances

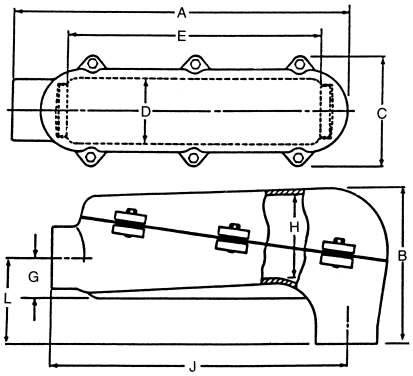
- UL Standard 514A.
- Federal Spec. W-C-586B.
- LBDN complies with NEC 370-28(a)(2).
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron conforms to ASTM A47-77, Grade 32510.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

	Type	Hub Size (in)	Catalog Number Malleable Iron	Aluminum
 1/2" thru 1"	LBD	1/2	LBD50-M	—
		3/4	LBD75-M	—
		1	LBD100-M	—
 1-1/4" thru 2"	LBD	1-1/4	LBD125-M	LBD125-A
		1-1/2	LBD150-M	LBD150-A
		2	LBD200-M	LBD200-A
 2-1/2" thru 4"	LBDN	2-1/2	LBDN250-M	LBDN250-A
		3	LBDN300-M	LBDN300-A
		3-1/2	LBDN350-M	LBDN350-A
		4	LBDN400-M	LBDN400-A

LBD Dimensions



LBDN Dimensions



LBDN Series Dimensions, Inches

Hub Trade Size (In.)	A	B	C	D	E	G	H	J	L
2-1/2	17.88	8.00	5.88	3.50	13.75	2.13	4.13	15.81	4.56
3	21.06	10.00	5.88	3.50	17.00	2.50	5.13	18.50	5.38
3-1/2	24.31	10.25	7.00	4.63	19.88	3.00	4.75	21.38	6.63
4	27.50	12.50	7.00	4.63	23.00	3.25	6.38	24.38	7.00

LBD Series Dimensions, Inches

Hub Trade Size (In.)	A	B	C	D	E	F	G	H	J
1/2	5.00	2.19	1.31	4.38	1.25	-	-	3.56	.94
3/4	6.19	2.50	1.50	5.50	1.44	-	-	4.75	1.13
1	6.38	2.69	1.75	5.50	1.69	-	-	4.94	1.38
1-1/4	8.50	-	2.63	7.50	2.13	3.38	4.75	7.19	2.00
1-1/2	12.25	-	3.13	10.94	2.31	4.13	4.88	10.63	2.56
2	12.44	-	3.13	10.94	2.75	4.13	5.25	10.63	2.56

LBD/LBDN Bodies and Covers: Malleable Iron and Aluminum

Hub Size (Inches)	Capacity, Cu. In.
1/2	4.0
3/4	8.0
1	12.0
1-1/4	37.0
1-1/2	66.0
2	81.0
2-1/2 (LBDN)	210.0
3 (LBDN)	345.0
3-1/2 (LBDN)	500.0
4 (LBDN)	740.0

JB Conduit Outlet Boxes, Covers, and Hangers: Malleable Iron, Aluminum

UNILET® for use with Threaded Rigid Metal Conduit and IMC.

NOTE: Refer to page A-31 for Wiring Capacity Tables.

Features

- Raintight when enclosed and gasketed with hub or blank covers.
- For exposed or concealed use.
- Blind cover screw holes prevent conductor damage during installation, provide water-tightness.
- Available in three inside depths—1-5/16", 2-1/16", and 3-1/8".
- Order with or without mounting lugs.
- Furnished with four tapped holes and two close-up plugs.
- Malleable iron or aluminum.
- Cushion fixture hangers enclosed and gasketed (vaportight).

Standard Materials

- *JB conduit outlet boxes and covers plus JB fixture hangers:* malleable iron.
- *JB-A boxes and covers:* copper-free aluminum.
- *Gaskets:* Neoprene or composition fiber.

Standard Finishes

- *Malleable iron conduit outlet boxes, and hub covers:* triple-coat — (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.
- *Fixture hangers, JB 1/2" hub and blank covers:* (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.
- *Aluminum JB conduit outlet boxes:* epoxy powder coat.

Compliances

- UL Standard 514A.

JB conduit outlet box. Choice of three depths. JBX shown.

- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron conforms to ASTM A47-77, Grade 32510.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

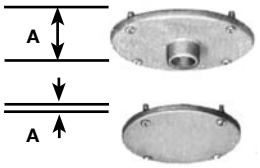
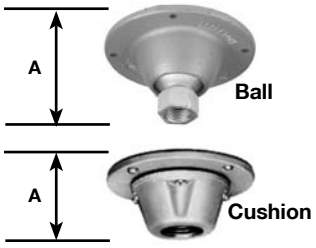
	Description	Hub Size (Inches)	Length (A)	Catalog Number Malleable Iron	Catalog Number Aluminum
	**JBX — 1–5/16" inside depth** Furnished with four tapped openings and two close-up plugs. Less mounting lugs				
		1/2	—	**JBX-50**	—
		3/4	—	**JBX-75**	—
		1	—	**JBX-100**	—
	With mounting lugs	1/2	—	**JBX-50L**	**JBX50L-A**
		3/4	—	**JBX-75L**	**JBX75L-A**
		1	—	**JBX-100L**	—
	**JBDX — 2–1/16" inside depth** Furnished with four tapped openings and two close-up plugs. Less mounting lugs				
		1/2	—	**JBDX-50**	—
		3/4	—	**JBDX-75**	—
		1	—	**JBDX-100**	—
	With mounting lugs	1/2	—	**JBDX-50L**	—
		3/4	—	**JBDX-75L**	—
		1	—	**JBDX-100L**	—
	**JBLX — 3–1/8" inside depth** Furnished with four tapped openings and two close-up plugs. With removable mounting lugs				
		1/2	—	**JBLX-50L**	**JBLX-50L-A**
		3/4	—	**JBLX-75L**	**JBLX-75L-A**
		1	—	**JBLX-100L**	**JBLX-100L-A**

A

JB Conduit Outlet Boxes, Covers, and Hangers: Malleable Iron, Aluminum

UNILET® for use with Threaded Rigid Metal Conduit and IMC.

NOTE: Refer to page A-31 for Wiring Capacity Tables.

	Description	Hub Size (Inches)	Length (A)	Catalog Number Malleable Iron	Aluminum
	**JBX, JBDX, JBLX — Cast Covers** Furnished with screws. When used with gasket provides raintight fit, supports 250 lbs. Hub Covers	1/2	.75" (1.9cm)	**JBK-50**	**JBK-50-A**
		3/4	.94" (2.3cm)	**JBK-75**	**JBK-75-A**
	Cover	Blank	.19" (0.4cm)	**JBK-B**	**JBK-1B-CA**
	**JBX, JBDX, JBLX — Gasket, Neoprene**	—	—	**JB-GK-N**	**JB-GK-N**
	**JBX, JBDX, JBLX — Flexible Fixture Hangers** Furnished with gasket and screws. Ball Type — 15° swing in all directions, support 250 lbs.	1/2	2.56" (6.5cm)	**JBK-50-BS**	—
		3/4	2.56" (6.5cm)	**JBK-75-BS**	—
	Cushion type, enclosed and gasketed — 8° swing in all directions. Cushions 40 lbs., supports 250 lbs.	1/2	1.63 (4.1cm)	**JBK-50-CS**	—
		3/4	1.63 (4.1cm)	**JBK-75-CS**	—

Dimensions

Hub size (Inches)	Dimension "A" (Inches) JBX	JBDX	JBLX
1/2	.75	.75	.75
3/4	.88	.88	.88
1	.81	1.06	1.06

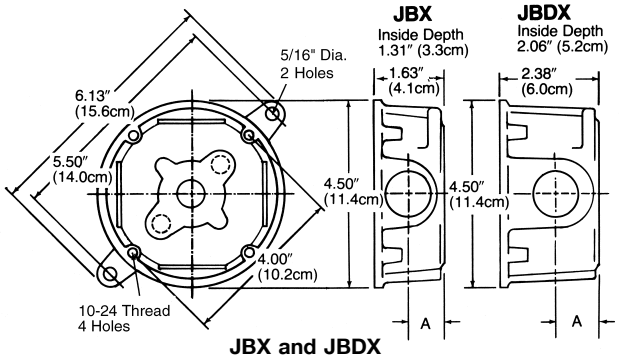
Hub size (Inches)	Dimension "A"(Centimeters) JBX	JBDX	JBLX
1/2	1.9	1.9	1.9
3/4	2.2	2.2	2.2
1	2.1	2.7	2.7

JB Malleable Iron and Aluminum Boxes.

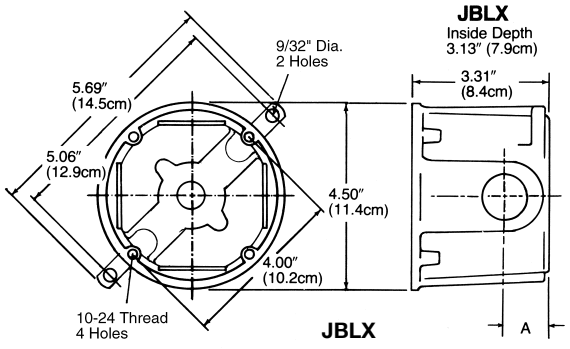
CAPACITY IN CUBIC INCHES*

Hub Size (In.)	JBX	JBDX	JBLX
1/2	15.5	23.0	33.0
3/4	15.5	23.0	33.0
1	15.5	23.0	33.0

*JB covers add no additional cubic inch capacity.



JBX and JBDX



JBLX

GS Conduit Outlet Boxes, Covers, and Hangers: Malleable Iron

UNILET® for use with Threaded Rigid Metal Conduit and IMC.

Features

- Raintight when enclosed and gasketed with hub or blank covers.
- Extra wide mating surfaces of GS box and cover provide greater gasket contact for more positive seal.
- For exposed or concealed use.
- GSU-20 will take connection block.
- Universal design—furnished with 4 threaded universal 3/4" hubs, four 3/4" to 1/2" reducers, and 3 close-up plugs.
- Furnished with mounting lugs.
- Cushion fixture hangers enclosed and gasketed (vaportight).

Standard Materials

- *Conduit outlet boxes, covers and fixture hangers:* malleable iron.
- *Gaskets:* Neoprene or composition fiber.

Standard Finishes

- *Malleable iron conduit outlet boxes, fixture hangers hub covers:* triple-coat — (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.
- *1/2" hub and blank covers:* (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.

Compliances

- UL Standard 514A.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron conforms to ASTM A47-77, Grade 32510.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

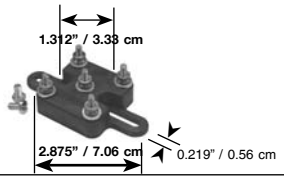
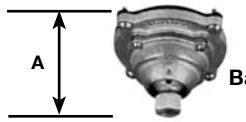
GS conduit outlet box. Four tapped conduit entrances.

	Description	Hub Size (Inches)	Length (A)	Catalog Number
 GSU-20  GSU-100	**GS — 1–3/4" inside depth, with mounting lugs (Form 20)**			
	Four threaded universal 3/4" hubs, four 3/4" to 1/2" reducers, and three 1/2" close-up plugs.	1/2 or 3/4	—	**GSU-20**
	Four 1" threaded openings and three 1" close-up plugs.	1	—	**GSU-100**
 Hub Cover  Blank Cover	**GS — Cast Covers**			
	Furnished with gasket and screws.			
	Enclosed and gasketed for raintight fit, supports 250 lbs.			
	Hub Cover	1/2	1.75" (4.4cm)	**GSK-50-20**
		3/4	1.75" (4.4cm)	**GSK-75-20**
	Blank Cover	Blank	1.06" (2.6cm)	**GSK-BC-20**
	**GS — Cover, Lamp Receptacle**			
	Furnished with gasket and screws.	—	1.63" (4.1cm)	**GSK-LR20**

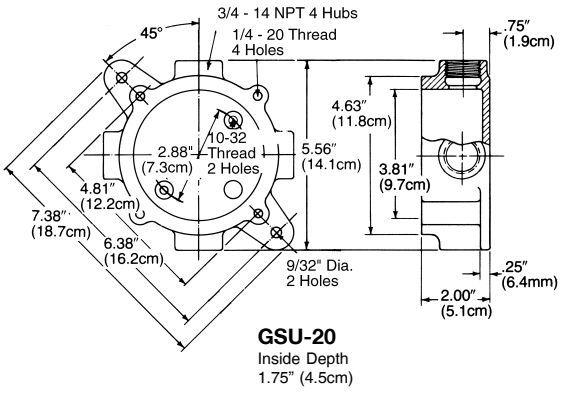
A

GS Conduit Outlet Boxes, Covers, and Hangers: Malleable Iron

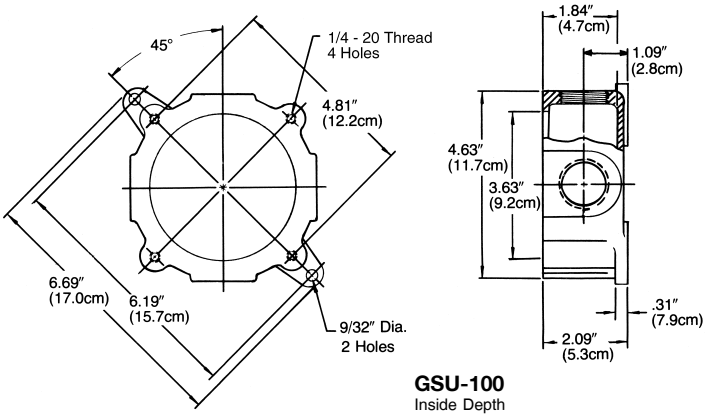
UNILET® for use with Threaded Rigid Metal Conduit and IMC.

	Description	Hub Size (Inches)	Length (A)	Catalog Number
	**GS–20 — Connection Block** Furnished with mounting screws. 5-Wire, 20-Amp, 300 Volt	—	—	**CB205**
	**GS — Gasket, Neoprene**	—	—	**GS-GK20-R**
	GS — Flexible Fixture Hangers — Form 20 Furnished with gasket and screws.			
	Ball Type — 15° swing in all directions, support 250 lbs.	— —	3.00" (7.6cm) 3.25" (8.2cm)	**GSK-50-20B** **GSK-75-20B**
	Cushion Type, enclosed and gasketed — 8° swing in all directions. Cushions 40 lbs., supports 250 lbs.	— —	2.00" (5.0cm) 2.00" (5.0cm)	**GSK-50-20C** **GSK-75-20C**

Dimensions



GSU-20
Inside Depth
1.75" (4.5cm)



GSU-100
Inside Depth
1.75" (4.5cm)

GS Malleable Iron Boxes*

CAPACITY IN CUBIC INCHES			
Hub Size (In.)	GS	GSK Covers Hub	GSK Covers Blank
1/2	24.0	8.5	8.5
3/4	24.0	8.5	8.5
1	24.0	8.5	8.5

Effective September, 2005

Appleton®

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SEH Conduit Outlet Boxes and Covers: Malleable Iron

UNILETS® for use with Threaded Rigid Metal Conduit and IMC.
SEH Boxes Take Wiring Devices Designed for 4" Octagonal Outlet Boxes.

NOTE: Refer to page A-31 for Wiring Capacity Tables.

Features

- Economy cast conduit outlet box.
- Take wiring devices designed for 4" octagonal outlet boxes.
- Two 8-32 screw holes tapped on 3-1/2" centers.

Standard Materials

- *Conduit outlet boxes and covers:* malleable iron.
- *Gaskets:* Neoprene or composition fiber.

Standard Finishes

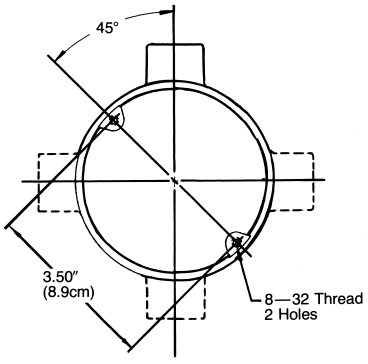
- *Malleable iron conduit outlet boxes, and hub covers:* triple-coat — (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.
- *Blank cast cover:* (1) zinc electroplate, (2) dichromate and (3) epoxy powder coat.
- *Blank steel cover:* zinc electroplate.

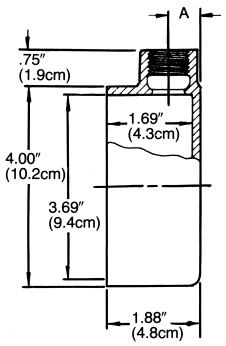
Compliances

- UL Standard 514A.
- Federal Spec. W-C-586B.
- Suitable for classified location use in Class I, Division 2 areas, if installed in compliance with NEC 501-4(b).
- Appleton malleable iron conforms to ASTM A47-77, Grade 32510.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

	Description	Hub Size (Inches)	Catalog Number
	**SEH**	1/2 3/4	**SEH-50** **SEH-75**
	**SEHC**	1/2 3/4	**SEHC-50** **SEHC-75**
	**SEHL**	1/2 3/4	**SEHL-50** **SEHL-75**
	**SEHT**	1/2 3/4	**SEHT-50** **SEHT-75**
	**SEHX**	1/2 3/4	**SEHX-50** **SEHX-75**
	**SEH—Covers** Furnished with screws.		
	Hub Cover, cast malleable	1/2	**SEHK-50**
	Cover, steel	Blank	**SEHK-B**
	Cover, cast malleable	Blank	**SEHK-BC**
	**SEH—Gasket** Fiber Composition		**SEH-GK**

Dimensions





Hub Size (Inches)	A (Inches)	A(Centimeters)
1/2	.63	1.6
3/4	.75	1.9

CAPACITY IN CUBIC INCHES

Hub Size (In.)	SEH
1/2	18.0
3/4	18.0

*SEH covers add no additional cubic inch capacity.

Pull Boxes with Threaded Hubs and Covers

For use with Threaded Rigid Metal Conduit and IMC.

Applications

- Serve as pulling fittings.
- Provide openings for splicing.
- Make straight connections and 90° bends in conduit runs.
- Permit access to conductors for maintenance.

Features

- Roomy interiors, more wiring space.
- Accurately tapped, tapered threads (NPT) for tight, rigid joints and ground continuity.

Standard Materials

- Bodies and covers– steel.
- Hubs– malleable iron or steel.
- Cover bolts– stainless steel.

Standard Finish

- Zinc electroplate, dichromate and epoxy powder coat.

Size Range

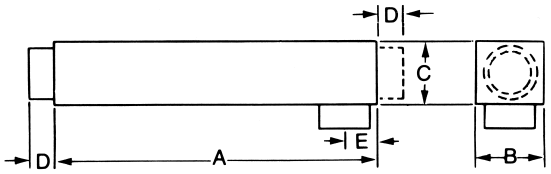
- Straight Type PTC– 1" thru 6" (hub) sizes, 12" thru 48" lengths.

Options

- Custom lengths up to 72" available, consult factory.

Compliances

- UL Standard 514A.



Catalog Numbers Straight PTC Box	90° PTB Box	Gaskets for PTC & PTB	Hub Size (In.)	Pull Box Dimensions (Inches) A	B	C	D	E
12–inch								
1200	**1250**	**GK-12-100**	1	12	2-3/16	2-1/8	27/32	15/16
1201	**1251**	**GK-12-150**	1-1/4	12	2-1/2	2-7/16	1-1/16	1-5/32
1202	**1252**	**GK-12-150**	1-1/2	12	2-1/2	2-7/16	1-1/16	1-3/8
1203	**1253**	**GK-12-200**	2	12	3-11/32	3-5/16	1-5/16	1-11/16
18–inch								
1211	**—**	**GK-18-150**	1-1/4	18	2-1/2	2-7/16	1-1/16	1-5/32
1212	**—**	**GK-18-150**	1-1/2	18	2-1/2	2-7/16	1-1/16	1-3/8
1213	**—**	**GK-18-200**	2	18	3-11/32	3-5/16	1-5/16	1-11/16
1214	**—**	**GK-18-250**	2-1/2	18	4-13/16	4-3/4	1-19/32	1-13/16
24–inch								
1222	**1272**	**GK-24-150**	1-1/2	24	2-1/2	2-7/16	1-1/16	1-3/8
1223	**1273**	**GK-24-200**	2	24	3-11/32	3-5/16	1-5/16	1-11/16
1224	**1274**	**GK-24-300**	2-1/2	24	4-13/16	4-3/4	1-19/32	1-13/16
1225	**1275**	**GK-24-300**	3	24	4-13/16	4-3/4	1-21/32	2-1/16
36–inch								
1244	**1294**	**GK-36-300**	2-1/2	36	4-13/16	4-3/4	1-19/32	1-13/16
1245	**1295**	**GK-36-300**	3	36	4-13/16	4-3/4	1-21/32	2-1/16
1246	**1296**	**GK-36-400**	3-1/2	36	6-5/16	6-3/16	1-29/32	2-3/8
1247	**1297**	**GK-36-400**	4	36	6-5/16	6-3/16	1-29/32	2-21/32
48–inch								
1812	**—**	**GK-48-300**	3	48	4-13-16	4-3/4	1-21/32	2-1/16
1813	**—**	**GK-48-400**	3-1/2	48	6-5/16	6-3/16	1-29/32	2-3/8
1814	**—**	**GK-48-400**	4	48	6-5/16	6-3/16	1-29/32	2-21/32
1815	**—**	**GK-48-500**	5	48	7-5/16	7-3/16	1-27/32	3-1/4
1816	**—**	**GK-48-600**	6	48	8-5/16	8-3/16	2-1/32	4-1/32

Effective September, 2005

Big–Bend™ Cast Pulling Elbow

For use with Threaded Rigid Metal Conduit and IMC.

Application

- Big-Bend™ Pulling Elbow is installed in conduit systems to provide 90° bends in conduit runs, pull outlets for conductors, access to conductors for maintenance and openings for making splices.

Features

- Cast from copper-free aluminum.
- Composition gasket in cover.
- Stainless steel cover bolts.
- Plugged 1/2" outlets top and bottom for breather and drain.
- Available in cast iron.
- Allows bending radius of 8 to 12 times outside diameter of conductor.
- Conductors can be pulled straight through.
- Cover easily installed.

Standard Materials

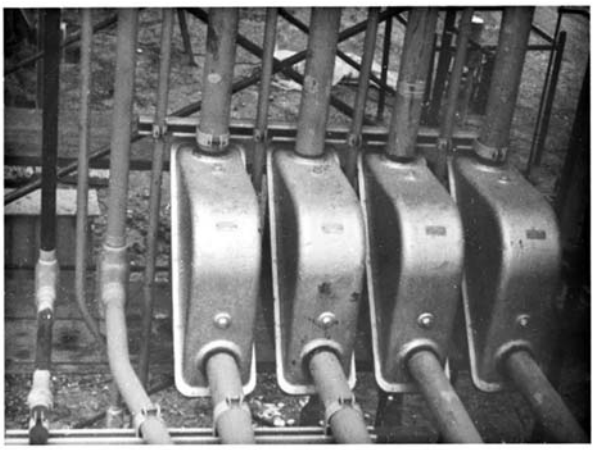
- Bodies and covers: copper-free aluminum.
- Gaskets: composition.
- Cover bolts: stainless steel.

Standard Finishes

- Acrylic paint.

Compliances

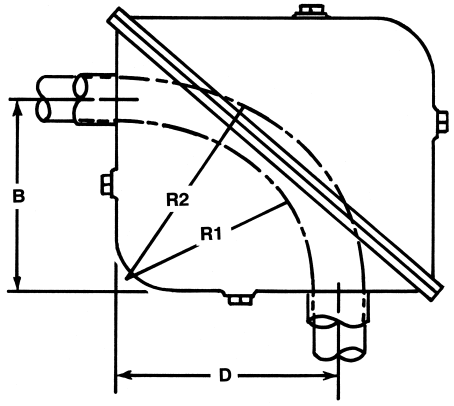
- Certification Standard C22.2 No. 18-M1987 NEMA 4.
- UL Standard 514A.

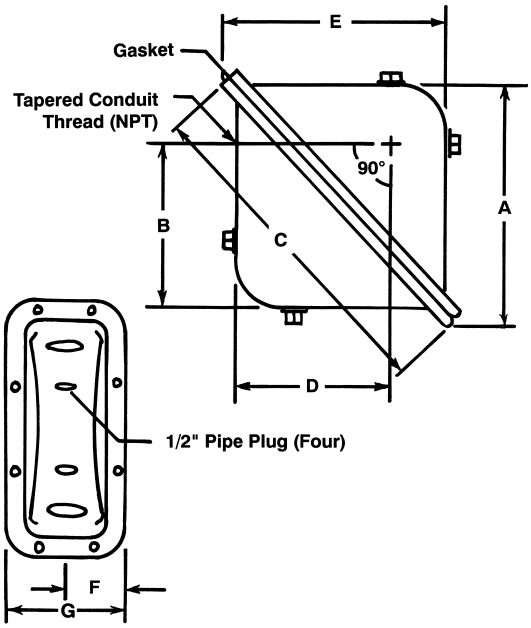


Conduit Systems Installations

Big–Bend™ Cast Pulling Elbow

Conduit Systems Installations





BENDING RADII OF BIG–BEND PULLING ELBOW

Catalog Number	Conduit Size (In.)	R1 (In.)	R2 (In.)	R1 (Cm)	R2 (Cm)
BB1-050	1/2	8.187	8.812	20.79	22.38
BB1-075	3/4	8.062	8.875	20.48	22.54
BB1-100	1	7.875	8.937	20.00	22.70
BB1-125	1-1/4	7.812	9.250	19.84	23.50
BB1-150	1-1/2	7.687	9.312	19.52	23.65
BB1-200	2	7.437	9.500	18.89	24.13
BB1-250	2-1/2	7.250	9.687	18.42	34.60
BB1-300	3	6.875	9.937	17.46	25.24
BB1-350	3-1/2	6.687	10.250	16.98	26.04
BB1-400	4	6.437	10.500	16.35	26.67
BB2-075	3/4	12.937	13.750	32.86	34.93
BB2-100	1	12.750	13.812	32.39	35.08
BB2-125	1-1/4	12.687	14.125	32.22	35.88
BB2-150	1-1/2	12.562	14.187	31.91	36.03
BB2-200	2	12.312	14.375	31.27	36.51
BB2-250	2-1/2	12.125	14.562	30.80	36.99
BB2-300	3	11.750	14.812	29.85	37.62
BB2-350	3-1/2	11.562	15.125	29.37	38.42
BB2-400	4	11.312	15.375	28.73	29.05
BB3-050	1/2	13.062	13.687	33.18	34.76
BB3-075	3/4	12.937	13.750	32.86	34.93
BB3-100	1	12.750	13.812	32.39	35.08
BB3-125	1-1/4	12.687	14.125	32.22	35.88
BB3-150	1-1/2	12.562	14.187	31.91	36.03
BB3-200	2	12.312	14.375	31.27	36.51
BB3-250	2-1/2	12.125	14.562	30.80	36.99
BB3-300	3	11.750	14.812	29.85	37.62
BB3-350	3-1/2	11.562	15.125	29.37	38.42
BB3-400	4	11.312	15.375	28.73	39.05
BB3-500	5	10.812	15.812	27.46	40.16
BB3-600	6	10.312	16.375	26.19	41.59

Size	BB1	BB2	BB3
Inside Dimensions	12x12x6	18x18x6	18x18x8
Approx. Shp. Wt/Unit	18lbs.	32 lbs.	48 lbs.

	Dimensions In Inches		
	BB1	**BB2**	**BB3**
A	12-3/4	19-7/8	19-7/8
B	9	14	14
C	18-3/4	27-1/4	27-1/2
D	9	14	14
E	12-3/4	19-7/8	19-7/8
F	3-7/8	3-7/8	5
G	7-3/4	7-3/4	10

	Dimensions In Centimeters		
	BB1	**BB2**	**BB3**
A	32.39	50.48	50.48
B	24.48	38.10	35.56
C	47.63	69.22	69.85
D	24.48	38.10	35.56
E	34.93	50.48	50.48
F	9.84	9.84	12.70
G	19.69	19.69	25.40

Conduit Size (In.)	Code	Conduit Size (In.)	Code
1/2	050	2-1/2	250
3/4	075	3	300
1	100	3-1/2	350
1-1/4	125	4	400
1-1/2	150	*5	500
2	200	*6	600

* Available in Big-Bend™ Size 3 only