CATALOG

RIGID CONDUIT AND FITTINGS

Ordinary and hazardous location solutions

T&B® Fittings

ENGINEERED TO OUTRUN

For more than a century, the T&B® Fittings brand has been a recognized leader, introducing industry-standard fittings for rigid conduit, such as Chase® nipples and Erickson® couplings. The innovation continues with BlueKote® conduit bodies and numerous other products for both ordinary and hazardous locations.

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OVERVIEW

The complete product line

Since the turn of the century, ABB has been a recognized leader in electrical fittings. Industry standards such as Chase® nipples and Erickson® couplings were introduced by ABB and are still registered trademarks. This leadership continues. Here's why...

Innovative designs
Great electrical fittings pass two tests: easy installation and long-term reliability. ABB fittings deliver both. We listen to electricians and contractors in the field, turning their real-world challenges into product solutions. Many products in this section are a direct result of customer collaborations to solve specific problems. Their experience becomes your advantage.

Approvals and listings
Raceway fittings must maintain three critical elements: mechanical strength, ground continuity and environmental protection. As new raceways have been introduced, ABB's engineers have designed new fittings to preserve these elements. Every fitting meets NEC requirements and carries UL and CSA or cULus listings. You can specify and install ABB Fittings with confidence.

High-performance products
Quality and performance result when engineering design skills are combined with the manufacturing technologies required to produce them. The ABB fittings in this section are produced from many materials and by many manufacturing methods, each carefully selected for its end use suitability. This combination gives you the reliable performance you expect from ABB raceway fittings.

Lower installed cost
Total installed cost goes beyond the price tag. ABB fittings save you money through competitive pricing, local availability, installation ease and long-term performance.

Note: In the United States, boxes and fittings are not listed or marked for use in Class I Division 2 locations. See NEC 501.10(B) for the wiring methods allowed in these areas.
NEC and National Electrical Code are trademarks of the National Fire Protection Association, Inc.

02

Bushings, nipples, locknuts and plugs

Bushings, nipples, locknuts and plugs

Locknuts – Now available in stainless steel 316

Application
- To connect externally threaded conduit or connector to a threadless opening in a box or enclosure
- To effectively bond conduit or connector to box or enclosure

Features
- Hardened steel/malleable iron/copper-free aluminum/ stainless steel 316 construction
- Tightens without deformation
- Locknuts specially designed to:
  (i) Provide extended reach for clamping on thin boxes and enclosures
  (ii) Cut through protective coating on box and enclosure, thereby ensuring ground continuity
  (iii) Permit tightening from outside
  (iv) Prevent loosening under vibration
- 106 Series provided with a hardened cone-point screw

Standard material 140 Series and 106 series
- ⅜" through 2" steel (hardened)
- 2½" through 6" malleable iron
- All screws steel
- Option: Stainless steel 316 (add suffix “SS6”)

141AL Series
- All copper-free aluminum

Standard finish
- All steel and malleable iron locknuts, including electro zinc-plated bonding screws and chromate coated all-aluminum locknut, degreased
- Stainless steel 316 — Polished

Range
- ⅜" through 6" conduit (all threads straight pipe NPS) (140 series)
  ½" through 4" conduit (106 series, 141AL series)
- ½" through 4" conduit (stainless steel 106 and 140 series)

Listings/compliances
- UL (UL File No. E-23018)
- CSA (catalog numbers 108, 109, 110 and 111, all 140 series except catalog number 140) (LR-2884, LR-4484)
- UL 514B
- CSA C22.2 No. 18
- NEMA FB1
- NFPA 70
- Federal specification replaced by A-A-50553
- Federal standard H-28 (threads)

Case-hardened locknuts

Case-hardened locknuts make fittings faster and easier to install. Case-hardened locknuts do not slip or turn, thereby protecting the biting edge. Case-hardened locknuts bite through paint into the enclosure, providing excellent continuity of ground (typical T&B® fitting with case-hardened locknuts successfully passed minimum fault current of 10,000 amps RMS). Case-hardened locknuts, when assembled in the intended manner, will not vibrate loose, thereby helping ensure excellent ground continuity.

01 0140 Series, 141AL Series

02 106 Series

Bushings, nipples, locknuts and plugs

Locknuts and bonding locknuts

Available in your choice of steel/malleable iron, aluminum or stainless steel.

- Steel from ¼" to 2", malleable iron from 2½" to 6"
- Aluminum 3003 from ½" to 6" or type 304 stainless steel from ½" to 2"

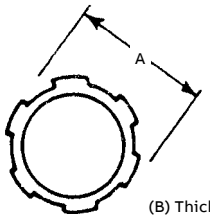
Ensures positive bonding of conduit to box and prevents loosening due to vibration.

- Steel or malleable iron (steel through 2")
- Can be used anywhere an ordinary locknut is installed
- Also can be used for service entrance applications in conformance with code
- Rigid conduit and EMT (thinwall) fittings comply with Federal Specification A-A-50553

LOCKNUTS

Cat. no.				Dimensions (in.)	
Steel/M.I.	Alum.	St. Stl. 304	Size (in.)	A	B
139*	–	–	¼	¾	9/64
140*	–	–	⅜	15/16	9/64
141**	141AL	141SST	½	17/64	5/32
142-TB**	142AL	142SST	¾	1⅜	3/16
143	143AL	143-SST	1	1 11/16	13/64
144	144AL	144-SST	1¼	2 5/32	13/64
145	145AL	145-SST	1½	2½	13/64
146-TB	146AL	146-SST	2	3	7/32
147	147AL	–	2½	3 9/16	13/32
148	148AL	–	3	4 3/16	13/32
149	149AL	–	3½	4 13/16	15/32
150	150AL	–	4	5 5/16	15/32
–	151AL	–	4½	5 15/16	17/32
152	152AL	–	5	6½	17/32
153	153AL	–	6	7¾	19/32

Diagram

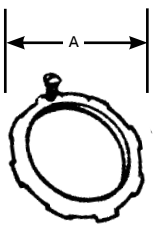


*Hex shape
**Case hardened locknuts
Aluminum locknuts comply with federal standard of copper-free aluminum; less than 0.5% copper.
Available with DURA-PLATE® finish.
UL File E-23018
CSA File No. 2884
Stainless steel 316 version is cULus (file number: E23018)

BONDING LOCKNUTS

Cat. no.		Dimensions (in.)	
Steel/M.I.	Size (in.)	A	B
106†	½	1⅜	0.125
107†	¾	1⅝	0.140
108	1	1 15/16	0.170
109	1¼	2 5/32	0.170
110-TB	1½	2½	0.170
111	2	3	0.187
112-TB†	2½	3 13/32	0.375
113-TB†	3	4 13/16	0.375
114†	3½	4 29/32	0.438
115-TB†	4	5 7/32	0.438

Diagram



† Not CSA certified.
Available with DURA-PLATE® finish.
UL File No. E-3060
CSA File No. 638
Stainless steel 316 version is cULus (file number: E3060)

Bushings, nipples, locknuts and plugs

Sealing locknuts

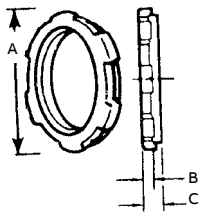
Provides positive seal against water and oil.

- For use with rigid and intermediate metal conduits or fittings
- Provides watertight or raintight seal at all enclosures

SEALING LOCKNUTS

		Dimensions (in.)		
Cat. no.	Size (in.)	A	B	C
141SL	½	1.140	⅛	¼
142SL	¾	1.420	5/32	9/32
143SL	1	1.770	11/64	9/32
144SL	1¼	2.281	11/64	5/16
145SL	1½	2.598	11/64	9/32
146SL	2	3.175	3/16	7/64

Diagram



Molded santoprene seal
Color: Blue

UL File No. E-23018
CSA File No. 2884

Bushings, nipples, locknuts and plugs

Bonding and grounding wedges

Perfect for grounding old work or new.

- Provides grounding without a jumper except in concentric knockouts
- When jumper is required, it fits under set screw in grounding wedge
- Update existing installations to meet code requirements for bonding (NEC Article 250, Part V) without disconnecting wiring
- For use on new wiring, just loosen bushing, position wedge and tighten bushing and bonding screw

Application

- To effectively bond terminating fitting or conduit to a box or enclosure

Features

- Sizes ¾" through 5" equipped with an additional bonding screw to install bonding jumper where required
- Can be added to an existing installation without disconnecting conductors

Standard material/finish

- ½" size steel/electro zinc plated
- ¾" through 5" size bronze/tin plated

Range

- ½" through 5" conduit

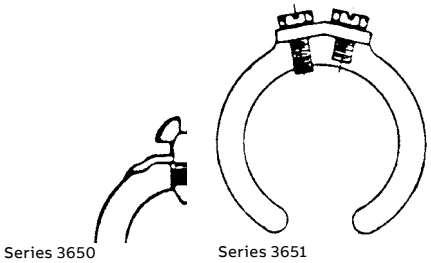
Listings/compliances

- UL File #E3060
- CSA File #2884/4484
- UL 467
- CSA C22.2 No. 41
- NFPA-70
- Federal Specification A-A-50552

BONDING AND GROUNDING WEDGES

Cat. no.	Size (in.)
3650	½
3651	¾
3652	1
3653	1¼
3654	1½
3655	2
3656	2½
3657	3
3658	3½
3659	4
3661	5

Diagrams



Series 3650 Series 3651

Bushings, nipples, locknuts and plugs

Liquid-tight sealing gasket

5302 series sealing gasket

Sealing material resists oil, coolants and hydraulic fluids as well as water.

The 5302 series sealing gasket includes a stainless steel retaining ring to prevent elongation of the Santoprene® gasket, helping ensure a superior seal.

Application

- When used with an externally threaded connector, provides a tight seal against oil, fumes or moisture at the knockout opening

Features

- Design locks resilient sealing material in steel
- Steel retainer protects seal from extruding out under torque and limits compression to an optimum predetermined value; provides high quality seal
- Resilient material flows and seals rough surfaces
- NEMA 3R, 4, 6 and 13

Standard material

- Retainer: 316 stainless steel
- Sealing material: Santoprene thermoplastic rubber

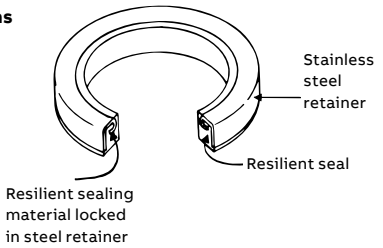
Range

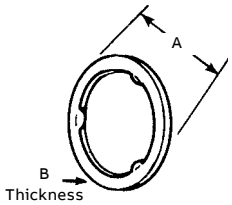
- ¼" through 4" hub size

LIQUID-TIGHT SEALING GASKET

Cat. no.	Conduit size (in.)	Dimensions (in.) A	Dimensions (in.) B	Std. pkg. qty.
5302	½	1.16	0.18	50
5303	¾	1.49	0.19	25
5304-TB	1	1.75	0.19	25
5305	1¼	2.15	0.22	5
5306	1½	2.42	0.23	5
5307	2	2.92	0.23	5
5308	2½	3.44	0.23	5
5309	3	4.08	0.23	5
5311	4	5.29	0.31	5

Diagrams





UL File No. E 13938 CSA File No. 2884

Santoprene is a registered trademark of Advanced Elastomer Systems.

Bushings, nipples, locknuts and plugs

Threaded insulated grounding bushing

Application

- For quick installation of bonding jumper to multiple metal conduits (rigid and IMC)
- Designed to bush conductors and prevent insulation damage

Features

- Ease of installation, lay-in lug design
- Cast iron body designed to lock insulator in place within body, reducing common assembly problem resulting in dislodging of insulator
- Insulator rated for 150 °C/302 °F application
- Look for the unique blue color, ensuring the highest quality fitting

Standard material/finish

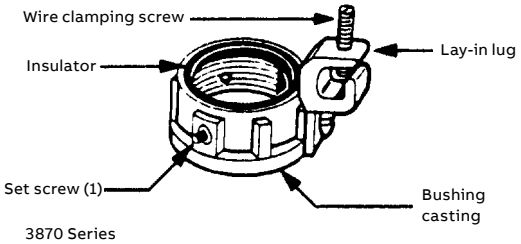
- Body: Iron electro zinc plated
- Lay-in lug: Aluminum/tin plated
- Insulator: Thermoplastic 150 °C/302 °F application with 94V-0 flammability
- Hardware: Zinc-plated steel
- Stainless steel hardware available: Add suffix SS to catalog number

THREADED INSULATED GROUNDING BUSHING

Cat. no.	Conduit size (in.)	Dimensions (in.) Bushing dia.	Throat dia.	Lug length	Swing radius	Bushing height	Wire range (AWG Cu/Al)
3870-TB	½	1.125	0.560	1.310	1.212	0.657	#14–#4
3861	½	1.125	0.560	1.675	1.402	0.657	#8–2/0
3871-TB+	¾	1.420	0.742	1.310	1.360	0.660	#14–#4
3862	¾	1.420	0.742	1.675	1.550	0.660	#8–2/0
3872+	1	1.770	0.944	1.310	1.535	0.735	#14–#4
3882	1	1.770	0.944	1.675	1.725	0.735	#8–2/0
3873	1¼	2.190	1.242	1.310	1.745	0.735	#14–#4
3883	1¼	2.190	1.242	1.675	1.935	0.735	#8–2/0
3874	1½	2.468	1.449	1.310	1.884	0.770	#14–#4
3884	1½	2.468	1.449	1.675	2.074	0.770	#8–2/0
3875	2	3.031	1.860	1.310	2.165	0.770	#14–#4
3889	2	3.031	1.860	1.675	2.355	0.770	#8–2/0
3876	2½	3.516	2.222	1.310	2.408	0.940	#14–#4
3886	2½	3.516	2.222	1.675	2.598	0.940	#8–2/0
3993	2½	3.516	2.222	2.230	2.928	0.940	#6–4/0

Cat. no.	Conduit size (in.)	Dimensions (in.) Bushing dia.	Throat dia.	Lug length	Swing radius	Bushing height	Wire range (AWG Cu/Al)
3877-TB	3	4.234	2.761	1.310	2.767	0.975	#14–#4
3887-TB	3	4.234	2.761	1.675	2.957	0.975	#8–2/0
3994	3	4.234	2.761	2.230	3.287	0.975	#6–4/0
3878	3½	4.781	3.193	1.310	3.040	0.975	#14–#4
3863	3½	4.781	3.193	1.675	3.230	0.975	#8–2/0
3995	3½	4.781	3.193	2.230	3.560	0.975	#6–4/0
3879	4	5.328	3.623	1.310	3.314	0.980	#14–#4
3864	4	5.328	3.623	1.675	3.504	0.980	#8–2/0
3996	4	5.328	3.623	2.230	3.834	0.980	#6–4/0
3880	5	6.328	4.542	1.310	3.814	0.985	#14–#4
3865	5	6.328	4.542	1.675	4.000	0.985	#8–2/0
3998	5	6.328	4.542	2.230	4.334	0.985	#6–4/0
3881	6	7.406	5.458	1.310	4.353	1.200	#14–#4
3866	6	7.406	5.458	1.675	4.543	1.200	#8–2/0
3999	6	7.406	5.458	2.230	4.875	1.200	#6–4/0

Diagram

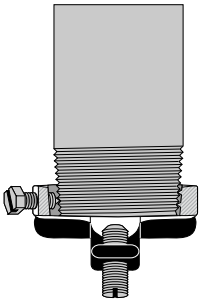


3870 Series

Temperature rating 150 °C
Meets Coast Guard Regulation CG293
Available with DURA-PLATE® finish.
+cULus

Bushings, nipples, locknuts and plugs

Blackjack® grounding bushings



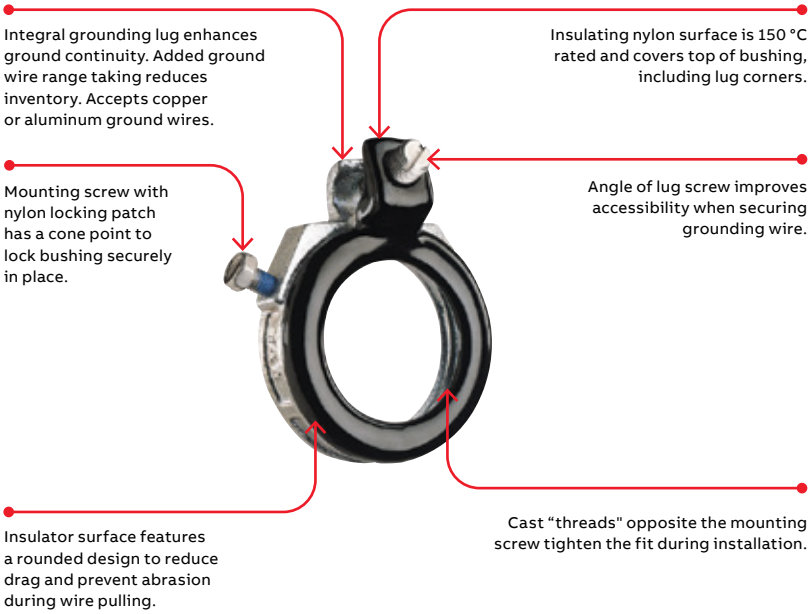
Innovative design makes installation quicker, easier.

The Blackjack grounding bushing never has to be threaded onto a conduit. It is simply placed in position on either a threaded or non-threaded rigid or IMC conduit, with the grounding lug in perfect position to accept the grounding wire – even in tight installations.

It's as simple as one, two, three.

Compare the installation with conventional bushings that must be threaded onto the conduit. In tight areas, you may have to remove the grounding lug, keep track of the loose parts and then reattach the lug. Then you still have to twist and turn the bushing to get the lug in position to accept the grounding wire.

The Blackjack bushing does away with these needless delays for good, making it the ideal grounding bushing – and the only logical choice for small spaces, corners and multiple conduit runs. And, because the grounding lug is an integral part of the bushing, it's designed not to fall off or get lost.



Innovative design improves performance. The Blackjack bushing provides superior ground continuity.
The design of the Blackjack bushing has an integral, cast-on grounding lug for better ground continuity. This means that the Blackjack bushing stands up to intense loads.

Secure grip forms lasting bond.
The Blackjack bushing's cone-point mounting screw bites securely into both threaded and non-threaded rigid conduits. And the Blackjack bushing's nylon locking patch is designed to prevent the screw from loosening due to vibration.

Reduce inventory.
Because the Blackjack grounding bushing is designed for threaded and non-threaded conduits, and the ground lugs are designed to handle an extended range, the number of parts in inventory is reduced by up to two-thirds without losing any application coverage.

Lug screw:
- #14–#4 AWG: Slotted
- #14–2/0 AWG: Slotted
- #6–4/0 AWG: Internal hex drive

Standard material/finish
- Body: Malleable iron or aluminum
- Mounting screw: (½"–2") Stainless steel, (2½"–6") brass
- Lug screw: Stainless steel
- Finish: Zinc plated

Range
- Conduit: ½" through 6" threaded or threadless rigid/IMC
- Wire range: #14 AWG to 4/0 AWG Cu/Al

Listings/compliances
- UL File #E3060
- CSA File #LR2884
- UL 514B and UL 467
- CSA C22.2 No. 18 and CSA C22.2 No. 41

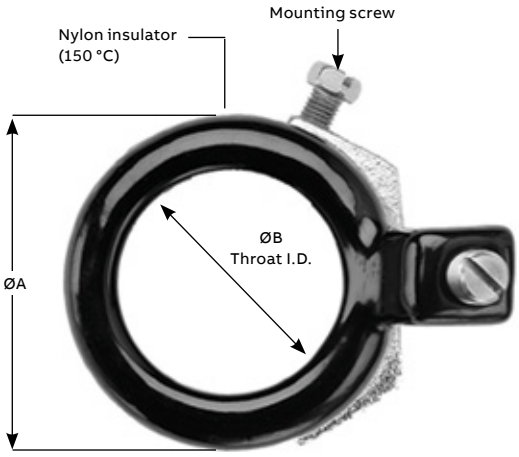
Bushings, nipples, locknuts and plugs

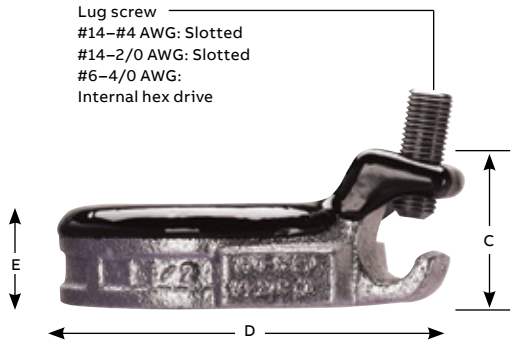
Blackjack® grounding bushings

BLACKJACK GROUNDING BUSHINGS

Cat. no.			Dimensions (in.)					
Zinc-plated malleable iron	Aluminum	Conduit size (in.)	ØA max.	ØB Min. throat I.D.	C max.	D max.	E max.	Wire range (AWG)
BG050-14-20	BGA050-14-20	½	1.251	0.569	1.181	2.134	0.696	#14–2/0
BG050-14-4	BGA050-14-4	½	1.251	0.569	1.027	1.940	0.696	#14–#4
BG075-14-20	BGA075-14-20	¾	1.533	0.772	1.221	2.414	0.696	#14–2/0
BG075-14-4	BGA075-14-4	¾	1.533	0.772	1.030	2.168	0.696	#14–#4
BG100-14-20	BGA100-14-20	1	1.783	0.993	1.181	2.581	0.696	#14–2/0
BG100-14-4	BGA100-14-4	1	1.783	0.993	1.027	2.368	0.696	#14–#4
BG125-14-20	BGA125-14-20	1¼	2.220	1.319	1.181	2.987	0.759	#14–2/0
BG150-14-20	BGA150-14-20	1½	2.470	1.553	1.181	3.236	0.696	#14–2/0
BG200-14-20	BGA200-14-20	2	2.830	2.010	1.181	3.766	0.696	#14–2/0
BG250-14-20	BGA250-14-20	2½	3.418	2.412	1.181	4.341	0.978	#14–2/0
BG250-6-40	BGA250-6-40	2½	3.418	2.412	1.524	4.526	0.978	#6–4/0
BG300-14-20	BGA300-14-20	3	4.042	3.022	1.181	4.966	0.978	#14–2/0
BG300-6-40	BGA300-6-40	3	4.042	3.022	1.524	5.139	0.978	#6–4/0
BG350-14-20	BGA350-14-20	3½	4.542	3.491	1.181	5.467	0.978	#14–2/0
BG350-6-40	BGA350-6-40	3½	4.542	3.491	1.524	5.639	0.978	#6–4/0
BG400-14-20	BGA400-14-20	4	5.042	3.975	1.181	5.966	0.978	#14–2/0
BG400-6-40	BGA400-6-40	4	5.042	3.975	1.524	6.139	0.978	#6–4/0
BG500-14-20	BGA500-14-20	5	6.136	4.991	1.181	7.045	0.978	#14–2/0
BG500-6-40	BGA500-6-40	5	6.136	4.991	1.524	7.207	0.978	#6–4/0
BG600-14-20	BGA600-14-20	6	7.199	6.009	1.181	8.087	0.978	#14–2/0
BG600-6-40	BGA600-6-40	6	7.199	6.009	1.524	8.409	0.978	#6–4/0

Diagrams





For threaded and threadless rigid and IMC conduit

Suggested specifications: Insulated grounding and bonding bushing (Series BG050-BG600)
Where code requires bonding and grounding of single or multiple metal conduits, or positive bonding and grounding of metal conduit to the box, enclosure or auxiliary gutter, the end of the conduit shall be equipped with an insulated metallic grounding and bonding bushing series BG050-14-20 as manufactured by ABB.
Grounding and bonding bushings used shall be approved for the purpose and
(i) Shall be of malleable iron/steel/aluminum construction adequately protected against corrosion.
(ii) Bushing insulator shall be listed or certified for 150 °C/302 °F application with a flammability rating of 94V-O. Insulator must be positively locked in place.

Bushings, nipples, locknuts and plugs

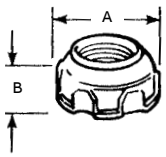
Insulated throat fittings and metallic bushings

- Meets and surpasses NEC requirements
- Steel or malleable iron (steel through 1½" size)
- Exceeds NEC 373-6C requirements for protection of ungrounded connectors at entrance to raceways, pull boxes and junctions
- Recognizable by distinctive trademarked blue insulating liner in throat
- Reduces wire pulling effort by as much as 50%
- Temperature rating of 105 °C
- Look for the unique blue color, ensuring the highest quality fitting
- Locknut-type base improves bonding and resists loosening under vibration.
- Aluminum, steel or malleable iron (steel through 1½" size)
- Smoothly rounded shoulder covers end of conduit
- Broad flange covers knockout hole
- High ribs for easy tightening with fingers or with wrench
- ½" to 1½" sizes, formed in steel, feature extra-smooth shoulders

INSULATED THROAT FITTINGS

Cat. no.			Dimensions (in.)	
Steel or M.I.	Alum.	Size (in.)	A	B
1222	1222AL	½	1 1/32	29/64
1223	1223AL	¾	1 9/32	31/64
1224	1224AL	1	1 19/32	11/32
1225-TB	1225AL	1¼	1 15/16	21/32
1226-TB	1226AL	1½	2 3/16	23/32
1227-TB	1227AL	2	2 11/16	7/8
1228-TB	1228AL	2½	3 3/16	1/32
1229-TB	1229AL	3	3 27/32	5/16
1230	1230AL	3½	4 7/16	1 1/16
1231	1231AL	4	4 7/8	1 3/32
586	586AL	5	5 31/32	1 9/32
587	–	6	7 3/16	1 11/32

Diagram



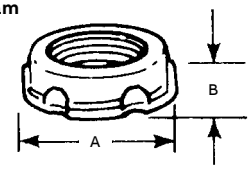
Nylon insulated metallic bushings

† Not CSA certified
Catalog series 1222 through 1232, 586 and 587 are available in aluminum.
Add suffix AL to cat. no. The aluminum series fittings are not CSA certified.

METALLIC BUSHINGS

Cat. no.			Dimensions (in.)	
Steel or M.I.	Alum.	Size (in.)	A	B
122	122AL	½	1 1/32	13/32
123-TB	123AL*	¾	1¼	7/16
124	124AL**	1	1 9/16	½
125-TB	125AL	1¼	1 29/32	9/16
126	126AL	1½	2 5/32	19/32
127	127AL	2	2 21/32	5/8
128	128AL	2½	3 3/16	¾
129	129AL	3	3 27/32	13/16
130-TB	130AL	3½	4 3/8	15/16
131-TB	131AL	4	4 15/16	1
133-TB	–	5	6	1 3/16
134-TB	134AL	6	7¼	1¼

Diagram



* Not UL listed or CSA certified
** Not CSA certified
Available with DURA-PLATE® finish.
UL File No. E-23018
CSA File No. 2884

Bushings, nipples, locknuts and plugs

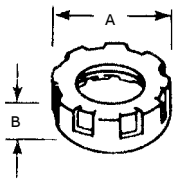
Plastic insulating bushings

- Perfect threads for easy thread-on
- Impact-resistant plastic insulation
- Ribbed for easy, secure gripping
- UL listed 105 °C

PLASTIC INSULATING BUSHINGS

		Dimensions (in.)	
Cat. no.	**Size (in.)**	**A**	**B**
222-TB	½	1 1/16	3/8
223-TB	¾	1 9/32	13/32
224	1	1 9/16	9/16
225-TB	1¼	1 29/32	9/16
226	1½	2 7/32	9/16
227	2	2 25/32	5/8
228-TB	2½	3 3/8	3/4
229-TB	3	4 1/16	3/4
230-TB	3½	4 5/8	7/8
231	4	5 1/8	7/8
232	4½	5 11/16	1
233	5	6 5/16	1
234	6	7 7/16	-

Diagram



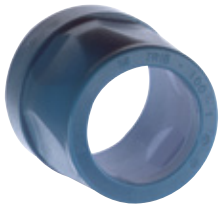
All-plastic insulating bushings

UL rated flame retardant 94V-1

Bushings, nipples, locknuts and plugs

Insulating bushings

TRIB 75



TRIB 100

TRIB 150

For threadless rigid conduit and intermediate metal conduit.

Application
- When assembled to the end of a threadless conduit, provides a well-rounded insulating surface over which conductors may be pulled or on which conductors may bear while in service

Features
- Designed to be popped onto conduit end
- Fast, easy installation without screws
- High-impact thermoplastic construction

Standard material
- High-impact thermoplastic listed for 105 °C (221 °F) application
- Flammability classification UL 94V-1
- Standard finish: As molded

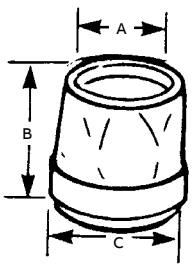
Range
- ½" through 4" conduit

Listings/compliances
- UL (UL File No. E-13938)
- CSA (LR-2884, LR-4484)
- UL 514B
- NFPA 70

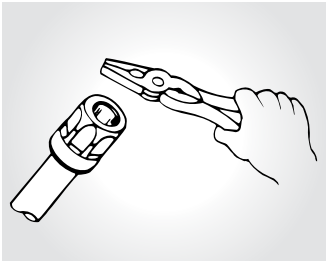
INSULATING BUSHINGS

		Dimensions (in.)		
Cat. no.	Size (in.)	A	B	C
TRIB50	½	19/32	1 9/32	1 1/16
TRIB75	¾	25/32	1 25/64	1 1/4
TRIB100	1	1	1 1/2	1 9/16
TRIB125	1 1/4	1 5/16	1 5/8	1 59/64
TRIB150	1 1/2	1 17/32	1 21/32	2 11/64
TRIB200	2	1 31/32	1 13/16	2 11/16
TRIB250	2 1/2	2 23/64	2	3 1/4
TRIB300	3	2 59/64	2 7/32	3 29/32
TRIB400	4	3 27/32	2 13/32	5

Diagram



IMC sizes ½" through 4"
UL Rated flame retardant 94V-1
UL File No. E-13938
CSA File No. 2884



1. Cut conduit end squarely. Remove sharp edges and burrs on inside and outside diameters by reaming or filing.
2. Slip the pop-on bushing over the end of the conduit.
3. Using the flat surface of any standard utility tool such as an electrician's pliers (or a hammer with a block of wood for the larger sizes), strike the bushing on its top surface using a series of light blows until the end of the conduit rests against the bushing throat and conduit stop.

Bushings, nipples, locknuts and plugs

Knockout bushings

3210 Series

Provides a smooth, rounded insulation surface for easy wire pulling.

- Quickly snaps into outlet box, switch box or other enclosure left vacant by wiring modifications or maintenance changes
- High-impact polycarbonate, one-piece construction
- Easily installed by hand
- UL listed 105 °C

Application
- To provide smooth, rounded knockout openings in metal boxes or enclosures

Features
- One-piece construction designed to snap in place
- High-impact strength, self-extinguishing, non-dripping (per UL 94) polycarbonate construction

Standard material
- Polycarbonate rated for 105 °C (221 °F) application

Standard finish
- As molded

Range
- 0.875" through 2.469" nominal diameter knockout opening (½" through 2" trade size knockouts)
- Wall thickness of box or enclosure:
  - 0.095" max. up to 1" trade size
  - 0.140" max. 1¼" through 2" trade size

Listings/compliances
- UL (UL File No. E-3803)
- CSA (LR-589,LR-4484)
- UL 514B
- CSA C22.2 No. 18
- NFPA 70-1999 (ANSI)

KNOCKOUT BUSHINGS

Cat. no.	For use in KO size* (in.)	Dimension (in.) B
3210	0.875	0.360
3211	1.109	0.360
3212	1.375	0.360
3213	1.734	0.400
3214	1.984	0.520
3215	2.469	0.520

Diagram

* Per UL and NEMA standards. Refer to knockout plugs table on page 21.
Oxygen index >28° UL 94V-1
UL File No. E-3803 CSA File No. 589

Bushings, nipples, locknuts and plugs

Capped bushings and INSULINER® sleeves

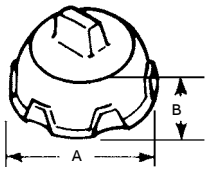
- Makes a workman-like seal against grit, plaster and mischief
- Removable with pliers
- ½" through 1¼" sizes in steel
- 1½" and 2" sizes in malleable iron

- Snaps into a regular bushing to make a UL listed insulated bushing
- Converts ordinary bushing to code-approved insulated bushing without disturbing wiring
- For use with standard rigid conduit, EMT (thinwall conduit) or any standard bushed outlet
- Especially suited for use with flexible metallic conduit
- High-dielectric nylon material, rated 105 °C
- cULus listed

CAPPED BUSHINGS

		Dimensions (in.)	
Cat. no.	Size (in.)	A	B
1460-TB	½	1 1/32	13/32
1461	¾	1 1/4	7/16
1462	1	1 9/16	½
1463-TB	1¼	1 29/32	9/16
1464	1½	2 5/32	19/32
1465	2	2 21/32	5/8

Diagram

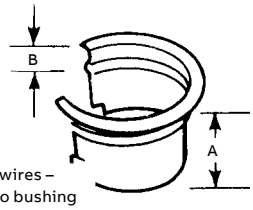


UL File No. E-23018 CSA File No. 2884

INSULINER SLEEVES

		Dimensions (in.)	
Cat. no.	Size (in.)	A	B
422	½	5/8	0.025
423	¾	11/16	0.025
424	1	7/8	0.025
425	1¼	1	0.030
426-TB	1½	1	0.030
427-TB	2	1 1/8	0.030
428-TB	2½	1¼	0.040
429	3	1½	0.040
430-TB	3½	1 25/32	0.055
431	4	2 1/32	0.055
433	5	2½	0.070
434	6	2½	0.070

Diagram



Slip over wires – insert into bushing – snaps into place

Oxygen index >28° UL File No. E-23018

Bushings, nipples, locknuts and plugs

Knockout plugs

1451 Series

Flame-retardant, non-dripping thermoplastic, UL rated 105 °C.

Application
- To plug unused knockout openings in a box or enclosure

Features
- One-piece construction designed to snap in place
- High-impact strength self-extinguishing non-dripping (per UL 94) thermoplastic construction

Standard material
- Thermoplastic rated for 105 °C (221 °F) application

Standard finish
- As molded

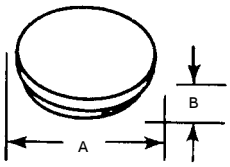
Range
- 0.875" through 2.469" nominal diameter
- Knockout opening (½" through 2" trade size knockouts)
- Wall thickness of box or enclosure:
  - 0.095" max. up to 1" trade size
  - 0.140" max. through 2" trade size

Listings/compliances
- UL (UL File No. E13938)
- CSA (LR589)
- UL 514B
- NFPA 70

KNOCKOUT PLUGS

Cat. no.	Size (in.)	Dimension (in.) A	Dimension (in.) B
1451-TB	½	1.060	0.400
1452	¾	1.300	0.400
1453	1	1.590	0.400
1454-TB	1¼	1.860	0.450
1455	1½	2.240	0.570
1456	2	2.740	0.570

Diagram



105 °C rated by UL.
Made from flame-retardant, non-dripping thermoplastic.

Wall thickness of electrical box .095 max.
Meets Coast Guard Regulation CB293.
UL File No. E-13938 CSA File No. 4484

Bushings, nipples, locknuts and plugs

Push-Penny® plugs and steel pennies

Eliminates need for separate capped bushing or steel penny and bushing.

Application
- To plug open end of conduit or connector in order to prevent ingress of trash, dirt or moisture during construction and remodeling

Features
- Wide range of applications; can be used with rigid metal conduit, intermediate metal conduit, electrical metallic tubing, all connectors and all bushings
- Designed to stand up to normal handling and is functionally unaffected by moisture
- Economically seal out grout and plaster from any fitting or raceway conforming to CSA dimensional tolerances
- Just push into place
- Pressure holds plug fast against internal surface of fitting or raceway
- Made of flexible plastic

Standard material
- Polyethylene

Standard finish
- As molded

Listings/compliances
- CSA (LR2884, LR4484)
- UL 514B
- CSA C22.2 No. 18
- NFPA 70
- NEMA FB1

PUSH-PENNY PLUGS

Cat. no.	Size (in.)
1470-TB	½
1471	¾
1472	1
1473	1¼
1474	1½

Cat. no.	Size (in.)
1475	2
1476*	2½
1477*	3
1478*	3½
1479*	4

*Not CSA Certified.
CSA File No. 2884
UL not applicable.

- Made to fit any bushing
- Used under a bushing to seal end of conduit during construction
- Completely salvageable

STEEL PENNIES

Cat. no.	Size (in.)
815-TB	½
816	¾
817	1
818	1¼
819-TB	1½
820-TB	2

Cat. no.	Size (in.)
821	2½
822	3
824-TB	3½
823	4

UL not applicable.
CSA File No. 2884

Bushings, nipples, locknuts and plugs

Chase® nipples

- Bush holes in metal boxes or enclosures
- ⅜" and ½" sizes in steel
- ¾" to 6" sizes in malleable iron
- ½" to 4" sizes in copper-free aluminum

Options

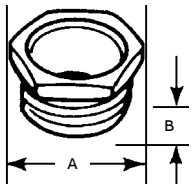
- ½"–4" sizes in stainless steel 316 (add suffix SST)
- cULus listed

- Nylon insulator offers extra protection
- ⅜" and ½" sizes in steel
- ¾" to 6" sizes in malleable iron
- ½" to 6" sizes also available in copper-free aluminum (add AL suffix to cat. no.)
- Look for the unique blue color ensuring the highest quality fitting

CHASE NIPPLES

Cat. no.	Size (in.)	Dimensions (in.) A	B
Steel/malleable iron or stainless steel 316*			
841-TB	3/8	15/16	7/16
842-TB	1/2	1 5/32	11/32
843-TB	3/4	1 7/16	17/32
844	1	1 25/32	21/32
845	1 1/4	2 1/32	3/4
846	1 1/2	2 3/8	13/16
847	2	2 15/16	31/32
848	2 1/2	3 9/16	1 1/16
849	3	4 3/8	1 3/16
850	3 1/2	5 1/8	1 5/16
851	4	5 1/8	1 5/16
853-TB	5	6 13/32	1 5/16
854-TB	6	7 3/8	1 3/8
Aluminum			
842AL-TB†	1/2	1 3/16	7/16
843AL-TB	3/4	1 13/32	17/32
844AL†	1	1 21/32	21/32
845AL†	1 1/4	2 1/32	3/4
846AL	1 1/2	2 3/8	13/16
847AL	2	2 15/16	31/32
848AL	2 1/2	3 9/16	1 1/16
849AL	3	4 3/8	1 3/16
850AL	3 1/2	5 1/8	1 5/16
851ALTB	4	5 1/8	1 5/16

Diagram

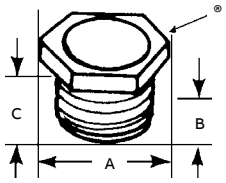


*Add suffix SST to catalog number to order stainless steel 316 .
† Not UL listed
Available with DURA-PLATE® finish.
UL File No. E-23018
CSA File No. 2884
Stainless steel is cULus listed (file no. E23018)

CHASE NIPPLES – NYLON-INSULATED

Cat. no.	Size (in.)	Dimensions (in.) A	B	C
1942	1/2	1 9/64	7/16	19/32
1943	3/4	1 3/8	17/32	23/32
1944	1	1 11/16	21/32	7/8
1945-TB	1 1/4	2 1/32	25/32	1 1/32
1946	1 1/2	2 3/8	13/16	1 3/32
1947	2	2 15/16	31/32	1 11/32
1948	2 1/2	3 9/16	1 1/16	1 7/16
1949	3	4 3/8	1 3/16	1 19/32
1950	3 1/2	5 1/8	1 5/16	1 25/32
1951	4	5 1/8	1 5/16	1 13/16
1953	5	6 3/8	1 5/16	1 13/16
1954	6	7 5/8	1 3/8	1 7/8

Diagram



UL File No. E-23018
CSA File No. 2884

03

Hubs and bulkhead fittings

Hubs and bulkhead fittings

Threaded hubs (Bullet® hubs)

For threaded rigid metal conduit/IMC/PVC-coated rigid metal conduit.

Application

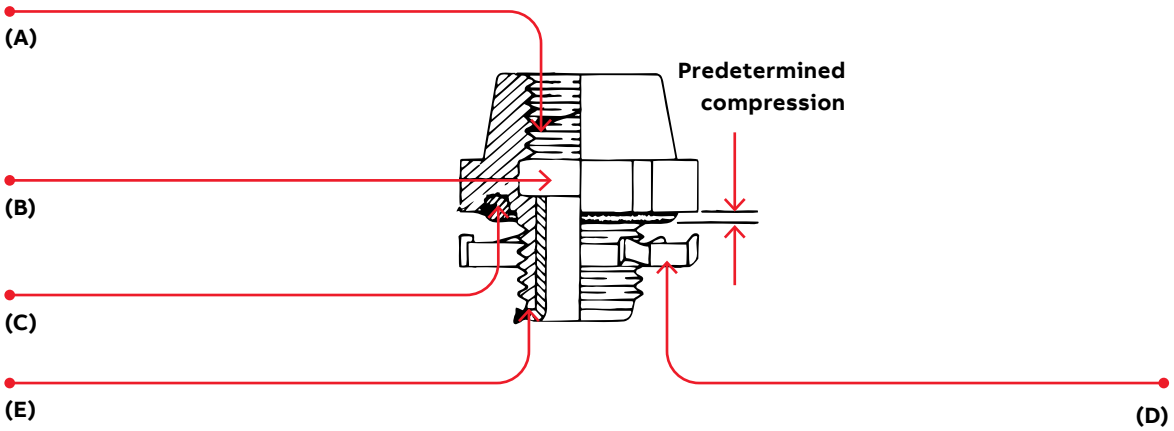
- To connect threaded metal conduit (ferrous rigid/ non-ferrous rigid/PVC coated/or intermediate metal) to a threadless opening in a box or enclosure in outdoor or indoor location exposed to continuous or intermittent moisture
- To positively bond conduit to box or enclosure

Features

- Rugged steel/malleable iron/copper-free aluminum construction
- Tapered internal threads for water-tight/dust-tight union (A)
- Threads relieved to prevent bottoming of conduit, ensuring sound assembly (B)
- Recessed sealing ring at box end; sealing ring captivated (C)
- Hardened steel/malleable iron/copper-free aluminum locknuts designed to provide high-quality ground continuity; extended reach of locknut permits clamping on thin boxes and enclosures (D)
- Insulated throat insulates conductors, prevents abrasion and thinning of conductor insulation, reduces wire pull effort (E)
- Suitable for hazardous location use per following:
  - (i) Class I Division 2, Class II Division 1 & 2, Class III Division 1 & 2 per NEC® 501.10(B), 502.40(A) and (B) and 503.16(A) and (B)
  - (ii) Class II locations & Class III locations per CEC 18-202; 18-252; 18-302; 18-352

The National Electrical Code states, “Where practical, dissimilar metals in contact anywhere in the system shall be avoided to eliminate the possibility of galvanic action.” The only exceptions, aluminum fittings and enclosures, are permitted to be used with steel conduit.

Joint Industrial Council (JIC) Electrical Standards also forbid dissimilar metals in contact for the same reason and require that the fittings for metal conduit be of malleable iron or ductile iron and have impact strength comparable to that of the conduit.



01 370 Series, 370AL Series

Hubs and bulkhead fittings

Threaded hubs (Bullet® hubs)

Copper-free aluminum

- Copper-free aluminum castings for fittings have a maximum of 0.4% copper. The most detrimental effect of higher percentage of copper on aluminum base alloy is its decrease in corrosion resistance.

Range

- 370 Series: ½" through 6" conduit
- 370AL and 401 Series: ½" through 4" conduit
- All hub threads – straight pipe
- All female threads – taper pipe (NPT)

Listing/compliances

- UL (UL File No: E-23018)
- CSA (LR-637, LR-23086)
- UL 514B
- CSA C22.2 No. 18
- NFPA 70
- NEMA FB-1
- JIC EGP1; JIC EMP 1
- Federal Specification A-A-50553
- Federal Standard H-28 (Threads)

STANDARD MATERIAL

	370–401 series	370AL series
Body:	½"–1" steel	All copper-free aluminum
	1¼"–6" malleable iron	
Locknut:	½"–2" steel (hardened)	½"– 2" steel (hardened)
	2½"–6" malleable iron	2½"–4" copper-free aluminum
Screws:	Steel (hardened)	
O-Ring:	Buna N	
Insulator:	Nylon	
Coating:	PVC	

STANDARD FINISH

	370–401 series	370AL series
Hub:	Electro zinc plated	As cast
	Chromate coated	
Locknuts:	All ferrous locknuts electro zinc plated and chromate coated	
Screws:	All electro zinc plated and chromate coated	

Hubs and bulkhead fittings

Bullet® hubs – steel/malleable iron and aluminum*†

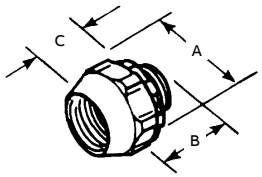
- UL listed rain tight and CSA certified watertight and dust tight
- Available in steel/malleable iron (steel through 1") with nylon-insulated throat
- Also available in aluminum without insulated throat
- When used with neoprene O-ring, provides watertight threaded hub on enclosures
- UL listed 105 °C
- Look for the unique blue color, ensuring the highest quality fitting

BULLET HUBS

Cat. no.			Dimensions (in.)			
Steel/M.I. w/locknut	Alum.**	Hub size (in.)	A	B	C	Max. wall thickness (in.)
370	370AL	½	1⅜	1¼	¾	5/16
371	371AL	¾	1⅝	1¼	¾	5/16
372	372AL	1	2 3/32	1⅜	⅞	5/16
373	373AL	1¼	2 9/16	1⅝	1	5/16
374	374AL	1½	3 3/32	1⅝	1	5/16
375	375AL	2	3⅝	1⅝	1	5/16
376	–	2½	4⅛	1⅞	1⅛	⅜
377	–	3	5	2½	1½	½
378	–	3½	5 9/16	2½	1½	½
379-TB	–	4	6 3/16	2½	1½	½

* Suitable for hazardous locations use in Class I, Div. 2; Class II, Div. 2; Class III, Div. 1 and 2 where general purpose equipment is specifically permitted per NEC Section 500-2(a).
** Aluminum not available with insulated throat.
† UL listed rain tight and CSA certified watertight and dust tight
Available with DURA-PLATE® finish.
UL File No. E-23018
For steel.: CSA File No. 2284
For aluminum.: CSA File No. 0637

Diagram



SPACING CHART FOR BULLET HUBS

	Center-to-center spacing conduit sizes (in.)												Min. space from center of Bullet hub to wall of box (in.)	KO diameter min. (in.)
	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6		
½	1 7/16	1⅝	1¾	2⅛	2⅜	2⅝	2⅞	3 5/16	3½	3⅞	4⅞	5 5/16	¾	⅞
¾	–	1¾	1⅞	2¼	2½	2¾	3	3½	3¾	4⅛	4 13/16	5½	⅞	1⅛
1	–	–	2	2⅜	2⅝	2⅞	3⅛	3⅝	3⅞	4¼	4 15/16	5 11/16	1⅛	1⅜
1¼	–	–	–	2 11/16	2 15/16	3¼	3½	4	4¼	4½	5 5/16	5¾	1⅜	1¾
1½	–	–	–	–	3⅛	3½	3¾	4⅛	4⅜	4¾	7 7/16	6 3/16	1⅝	2
2	–	–	–	–	–	3¾	4	4½	4¾	5	5¾	6½	1⅞	2½
2½	–	–	–	–	–	–	4¼	4¾	5	5⅜	6	6¾	2⅛	3
3	–	–	–	–	–	–	–	5⅛	5⅜	5¾	6⅜	7⅛	2⅝	3⅝
3½	–	–	–	–	–	–	–	–	5⅝	6	6¾	7½	2⅞	4⅛
4	–	–	–	–	–	–	–	–	–	6¼	7⅛	7⅞	3¼	4⅝

Hubs and bulkhead fittings

T&B® hub

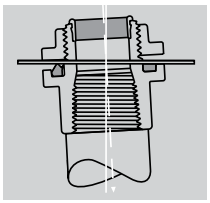


Fig. 1

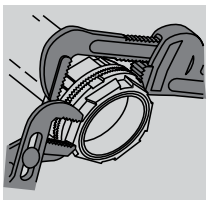


Fig. 2

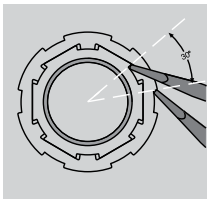
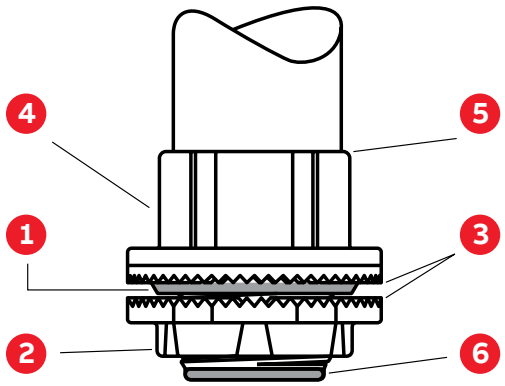


Fig. 3

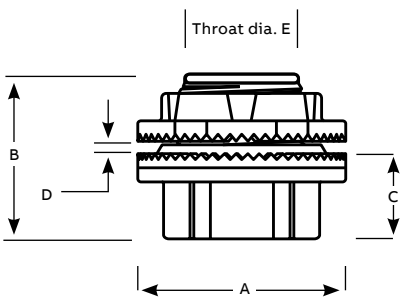
Never before has a single hub fit like this one. Designed for unequalled performance. The innovative engineering of the T&B hub will, quite simply, raise your performance expectations for threaded hubs. Look for the distinctive blue color to ensure the quality of a T&B fitting.



1. Sealing ring and groove with innovative profile outperforms standard O-ring design. Sealing ring is captivated in place before installation and resists buckling or slipping during installation. The seal groove is designed for optimum compression of the sealing ring. The sealing ring is designed to provide a complete 360° seal, even when the conduit is not perpendicular with the enclosure. (See Figure 1)
2. Locknut design with peripheral slots and a hexagonal/angled spline spaced every 30° enables easy application of torque with wrench or hammer and screwdriver. (See Figures 2 and 3)
3. Sharper and deeper teeth on locknut and body designed for a more penetrating bite for improved bonding to the enclosure.
4. Hexagonal/splined body design for fast, easy installation with wrench or hammer and screwdriver.
5. Precision machined tapered threads designed to create watertight union.
6. Insulated throat molded from 105 °C rated thermoplastic with a flammability rating of 94V-O.

T&B HUB

	Cat. no.			A (in.)	B (in.)	C (in.)	D (in.)	E (in.)
	Die-cast zinc	Aluminum	Trade size (in.)	Dia.			Max. panel thickness	Throat dia.
Diagram	H050-TB	H050A	½	1 7/16	1 9/16	7/8	3/16	19/32
	H075TB	H075A	¾	1 7/16	1 19/32	29/32	3/16	25/32
	H100-TB	H100A	1	2	1 13/16	1 1/16	¼	1
	H125-TB	H125A	1¼	2 3/8	1 7/8	1 1/16	¼	1 5/16
	H150-TB	H150A	1½	2 3/4	1 7/8	1 1/16	¼	1 17/32
	H200-TB	H200A	2	3 1/4	1 15/16	1 5/32	¼	1 31/32
	H250-TB	H250A	2½	3 3/4	2 9/16	1 9/16	¼	2 13/32
	H300-TB	H300A	3	4 3/8	2 7/16	1 19/32	¼	2 31/32
	H350-TB	H350A	3½	5	2 23/32	1 5/8	¼	3 13/32
	H400-TB	H400A	4	5½	2 23/32	1 5/8	¼	3 7/8
	H500-TB	H500A	5	6 7/8	3 1/32	1 15/16	¼	4 15/16
	H600-TB	H600A	6	7 11/16	3 5/32	2	5/16	6



Material – Hub and locknut: Zinc or copper-free aluminum
Insulating throat: Thermoplastic temp. rating – 105 °C
Flammability rating – 94V-0
Sealing ring: Nitrile (BUNA "N")

For aluminum hubs, add suffix A (i.e., H050A). For chrome-plated hubs, add suffix CP (i.e., H050CP). For 316 stainless steel hubs, add suffix GRSST (i.e., H050GRSST).

UL listed Type 4 and Type 12. Meets NEMA sealing requirements for NEMA 3R, 4 and 13 enclosures. CP and SST hubs are also UL listed Type 4X and Type 12.
UL listed per NEC® 501.10(B). CSA certified for hazardous locations Class II Groups E, F, G, Class III
UL File No. E-23018 CSA File No. 4484
Chrome-plated hubs (suffix-"CP") are UL listed Type 4X and Type 12.

Hubs and bulkhead fittings

T&B® grounding hub

T&B GROUNDING HUB

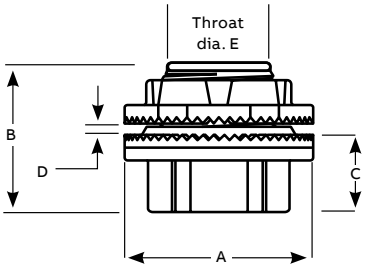


Diagram	Cat. no.	Trade size (in.)	A (in.) Dia.	B (in.)	C (in.)	D (in.) Max. panel thickness	E (in.) Throat dia.
	H050GR-TB	½	1 7/16	1 9/16	7/8	3/16	19/32
	H075GR-TB	¾	1 7/16	1 19/32	29/32	3/16	25/32
	H100GR-TB	1	2	1 13/16	1 1/16	1/4	1
	H125GR-TB	1 1/4	2 3/8	1 7/8	1 1/16	1/4	1 5/16
	H150GR-TB	1 1/2	2 3/4	1 7/8	1 1/16	1/4	1 17/32
	H200GR-TB	2	3 1/4	1 15/16	1 5/32	1/4	1 31/32
	H250GR-TB	2 1/2	3 3/4	2 9/16	1 9/16	1/4	2 13/32
	H300GR-TB	3	4 3/8	2 7/16	1 19/32	1/4	2 31/32
	H350GR-TB	3 1/2	5	2 23/32	1 5/8	1/4	3 13/32
	H400GR-TB	4	5 1/2	2 23/32	1 5/8	1/4	3 7/8
	H500GR-TB	5	6 7/8	3 1/32	1 15/16	1/4	4 15/16
	H600GR-TB	6	7 11/16	3 5/32	2	5/16	6

Material – Hub and locknut: Zinc or copper-free aluminum
Insulating throat: Thermoplastic temp. rating – 105° C
Flammability rating – 94V-0
Sealing ring: Nitrile (BUNA "N")

For aluminum hubs, add suffix A (i.e., H050A). For chrome-plated hubs, add suffix CP (i.e., H050CP).
For 316 stainless steel hubs, add suffix GRSST (i.e., H050GRSST). UL listed Type 4X and Type 12.
Meets NEMA sealing requirements for NEMA 3R, 4 and 13 enclosures.
UL listed and CSA certified. CSA certified for hazardous locations Class II and Class III locations.
UL File No. E-23018
CSA File No. 4484
Chrome-plated hubs (suffix-"CP") are UL listed Type 4X and Type 12.

T&B HUB CENTERLINE SPACING CHART

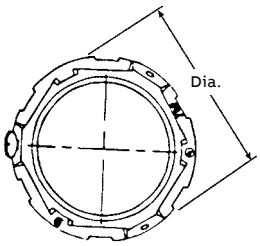
Conduit trade size (in.)	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6
½	1 9/16	–	–	–	–	–	–	–	–	–	–	–
¾	1 43/64	1 25/32	–	–	–	–	–	–	–	–	–	–
1	1 27/32	1 61/64	2 1/8	–	–	–	–	–	–	–	–	–
1¼	2 1/32	2 9/64	2 5/16	2 1/2	–	–	–	–	–	–	–	–
1½	2 7/32	2 21/64	2 1/2	2 11/16	2 7/8	–	–	–	–	–	–	–
2	2 15/32	2 37/64	2 3/4	2 15/16	3 1/8	3 3/8	–	–	–	–	–	–
2½	2 23/32	2 53/64	3	3 3/16	3 3/8	3 5/8	3 7/8	–	–	–	–	–
3	3 1/32	3 9/64	3 5/16	3 1/2	3 11/16	3 15/16	4 3/16	4 1/2	–	–	–	–
3½	3 11/32	3 21/64	3 5/8	3 13/16	4	4 1/4	4 1/2	4 13/16	5 1/8	–	–	–
4	3 19/32	3 45/64	3 7/8	4 1/16	4 1/4	4 1/2	4 3/4	5 1/16	5 3/8	5 5/8	–	–
5	4 9/32	3 25/64	4 9/16	4 3/4	4 15/16	5 3/16	5 7/16	5 3/4	6 1/16	6 5/16	7	–
6	4 11/16	4 51/64	4 31/32	5 5/32	5 11/32	5 19/32	5 27/32	6 5/32	6 15/32	6 23/32	7 13/32	7 13/16
Nearest obstruction to center of hub	27/32	61/64	1 1/8	1 5/16	1 1/2	1 3/4	2	2 5/16	2 5/8	2 7/8	2 9/16	3 31/32

Hubs and bulkhead fittings

T&B® grounding and bonding locknut

Grounding locknut for hubs

T&B GROUNDING AND BONDING LOCKNUT

	Cat. no.	Trade size (in.)	Dia. (in.)	Height (in.)	Ground screw	Max. conductor size (AWG)
Diagram	L050GR-TB	½	1½	13/32	#10-32 x ¼	#10
	L075GR-TB	¾	1 11/16	13/32	#10-32 x ¼	#10
	L100GR-TB	1	2	13/32	#10-32 x ¼	#10
	L125GR-TB	1¼	2⅜	15/32	¼-20 x ¼	#10
	L150GR-TB	1½	2¾	15/32	¼-20 x 5/16	#8
	L200GR-TB	2	3¼	15/32	¼-20 x 5/16	#8
	L250GR-TB	2½	3¾	11/16	¼-20 x 5/16	#6
	L300GR-TB	3	4⅜	23/32	¼-20 x 5/16	#6
	L350GR-TB	3½	5	23/32	¼-20 x 5/16	#6
	L400GR-TB	4	5½	23/32	¼-20 x 5/16	#4
	L500GR-TB	5	6⅝	23/32	⅜-16 x ⅜	#2
	L600GR-TB	6	7 11/16	23/32	⅜-16 x ⅜	#1

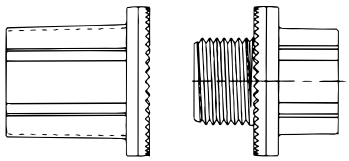
Material – locknut: Zinc or copper-free aluminum UL File No. E-3060
For aluminum locknuts, add suffix A. (i.e., L050GRA). CSA File No. 4484
For chrome-plated locknuts, add suffix CP. (i.e., L050CP). For 316 stainless steel locknuts, add suffix SST (**½**" through 2" only.)
For locknut with lay in-lug, add suffix GRL.

Hubs and bulkhead fittings

T&B® bulkhead fittings

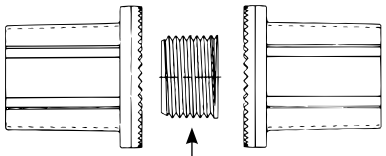
T&B BULKHEAD FITTINGS

Bulkhead fitting



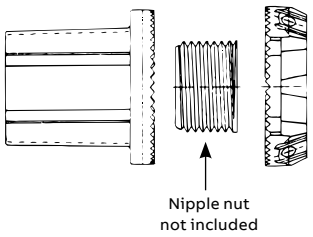
Cat. no.	Trade size (in.)
H050BHD	½
H075BHD	¾
H100BHD	1
H125BHD	1¼
H150BHD	1½
H200BHD	2
H250BHD	2½
H300BHD	3
H350BHD	3½
H400BHD	4

Through-bulkhead fitting



Cat. no.	Trade size (in.)
H050TBF	½
H075TBF	¾
H100TBF	1
H125TBF	1¼
H150TBF	1½
H200TBF	2

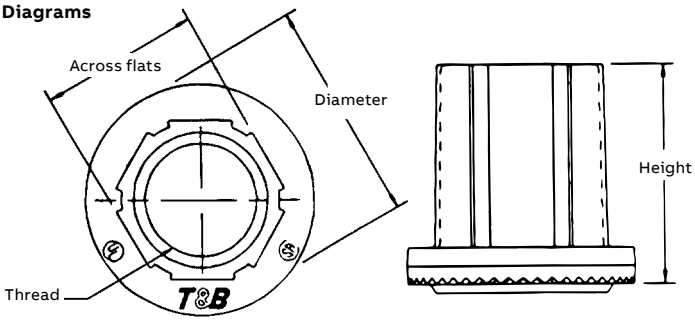
Through-bulkhead hub

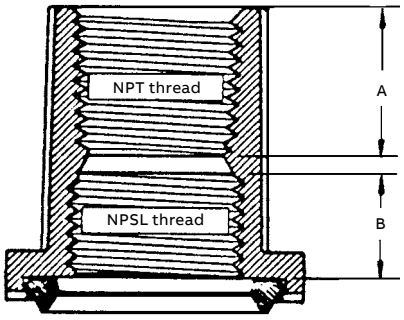


Cat. no.	Trade size (in.)
H050TBH	½
H075TBH	¾
H100TBH	1
H125TBH	1¼
H150TBH	1½
H200TBH	2

Trade size (in.)	Thread (NPT)	Height (in.)	Diameter (in.)	Across flats (in.)	A (in.)	B (in.)
½	½–14	1 13/32	1 7/16	1	¾	½
¾	¾–14	1 15/32	1 11/16	1¼	25/32	17/32
1	1–11½	1 11/16	2	1 17/32	29/32	19/32
1¼	1¼–11½	1 25/32	2 3/8	1 27/32	29/32	21/32
1½	1½–11½	1 13/16	2 3/4	1⅛	29/32	21/32
2	2–11½	1 27/32	3¼	2⅝	15/16	21/32
2½	2½–8	2 9/32	3¾	3⅛	1 7/32	⅞
3	3–8	2 9/16	4⅜	3 25/32	1 3/16	29/32
3½	3½–8	2 9/16	5	4 9/32	1⅜	⅞
4	4–8	2 9/16	5½	4 27/32	1⅜	⅞

Diagrams





Material – Hub, body and locknut: Zinc or copper-free aluminum
Insulating throat: Thermoplastic temp. rating: 105 °C
Flammability rating: 94V-0
Sealing ring: Nitrile (BUNA "N")

For aluminum bulkheads, add suffix A.
For chrome-plated bulkheads, add suffix CP.
UL listed Type 4 and Type 12.
Meets NEMA sealing requirements for NEMA 3R, 4 and 13 enclosures.
UL File No. E-3060
CSA File No. 4484

Hubs and bulkhead fittings

Capoffs

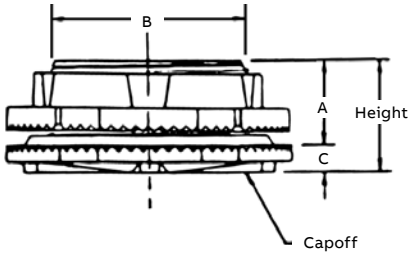
CAPOFFS

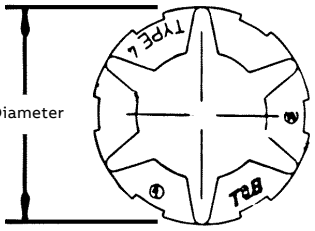
				Dimensions (in.)		
Cat. no.	**Trade size (in.)**	**Height**	**Diameter**	**A**	**B**	**C**
H050CAP	1/2	1 13/32	1 7/16	19/32	27/32	3/16
H075CAP	3/4	1 15/32	1 11/16	19/32	1 1/16	3/16
H100CAP	1	1 11/16	2	11/16	1 3/16	1/4
H125CAP	1 1/4	1 25/32	2 3/8	23/32	1 21/32	1/4
H150CAP	1 1/2	1 13/16	2 3/4	23/32	1 29/32	1/4
H200CAP	2	1 27/32	3 1/4	23/32	2 3/8	1/4
H250CAP	2 1/2	2 9/32	3 3/4	7/8	2 29/32	1/4
H300CAP	3	2 9/16	4 3/8	7/8	3 1/32	11/32
H350CAP	3 1/2	2 9/16	5	29/32	4 1/32	11/32
H400CAP	4	2 9/16	5 1/2	29/32	4 1/2	11/32
H500CAP	5	2 23/32	6 5/8	29/32	5 9/16	11/32
H600CAP	6	3	7 5/8	31/32	6 5/8	11/32

Material – Capoff and locknut: Zinc or copper-free aluminum
Insulating throat: Thermoplastic temp. rating – 105 °C
Flammability rating – 94V-0
Sealing ring: Nitrile (BUNA "N")

For aluminum capoff, add suffix A.
For chrome-plated capoff, add suffix CP.
UL listed Type 4 and Type 12.
Meets NEMA sealing requirements for NEMA 3R, 4 and 13 enclosures.
CSA certified for hazardous locations Class II Groups E.F.G. Class III.
UL File No. E-3060
CSA File No. 4484

Diagrams





04

Couplings and accessories

Couplings and accessories

XD expansion/deflection coupling

Watertight, flexible conduit connections support movement and thermal expansion.

Use the ABB XD expansion/deflection coupling to join two conduit runs in applications where movement in any direction is required. The coupling provides a flexible, watertight connection, accommodating axial or parallel movement of up to ¾" and angular movement of up to 30° from normal.

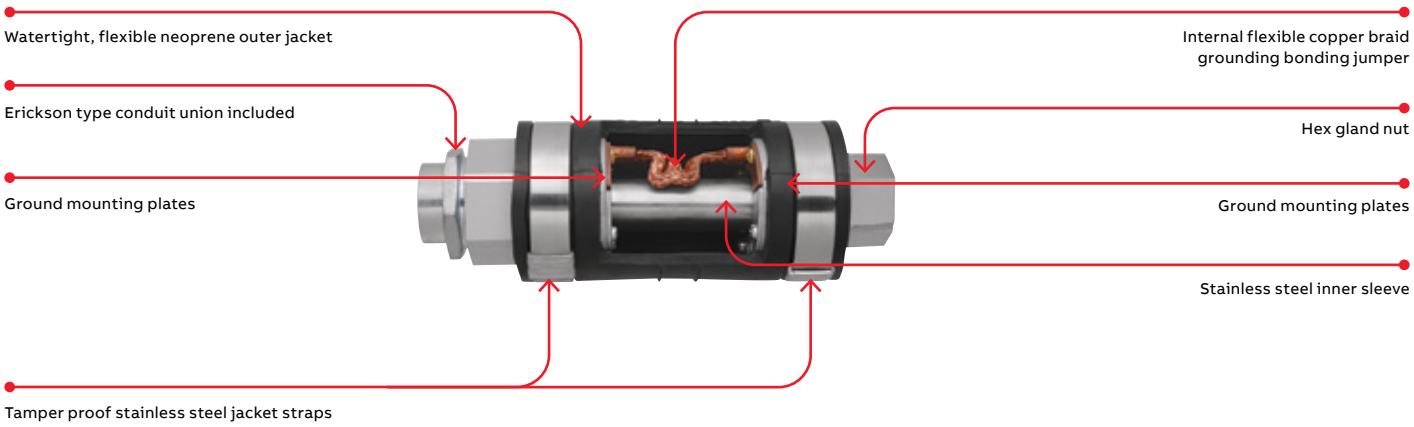
- Ideal for use in bridges, tunnels, interbuilding walkways, docks and piers, wastewater and water treatment facilities and other applications in which conduit runs are subject to movement due to external forces or temperature changes
- Suitable for use indoors, outdoors, direct buried or embedded in concrete
- Watertight, flexible neoprene outer jacket, zinc-plated and acrylic-painted hubs and stainless steel tamper proof straps ensure superior corrosion resistance – ideal for use in harsh environments
- Copper ground mounting plates and grounding bonding jumper both entirely enclosed to safeguard against theft
- Includes an Erickson® type conduit union for faster, easier installation to reduce labor costs
- Durable stainless steel inner sleeve provides a constant, smooth inner diameter in any position to ease wire pulling and protect wire insulation from damage
- NPT threaded hubs fit standard threaded rigid metal conduit
- Can also be used with rigid PVC conduit with the use of standard adapters (not supplied)

Listings/compliances

- UL listed to UL 514B and CSA certified to C22.2 No. 18.3, suitable for wet locations (hub sizes 1"–6")
- Watertight – NEMA 4
- NEC Article 250.98 and 300.4(A) compliant

Standard materials/finish

- Hub: ductile cast iron, zinc-plated and aluminum acrylic painted
- Inner sleeve: stainless steel
- Internal grounding bonding jumper: flexible copper braid
- Ground mounting plates: copper
- Hub rings: zinc-plated steel
- Outer jacket: molded neoprene (natural black)
- Jacket straps: stainless steel



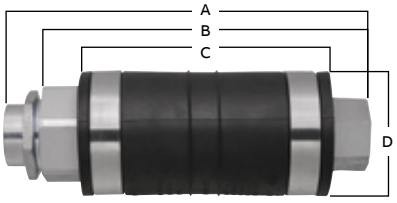
Couplings and accessories

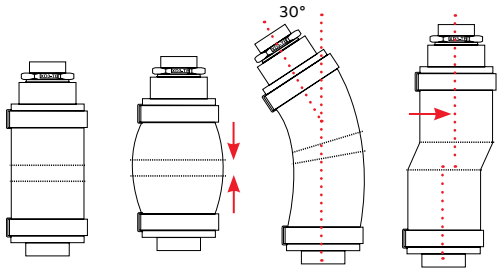
XD expansion/deflection coupling

XD EXPANSION/DEFLECTION COUPLING

		Dimensions (in.)			
Cat. no.	Hub size (in.)	A	B	C	D
XD3-TB	1	9 13/16	8 15/32	6 7/16	3 11/32
XD4-TB	1 1/4	9 3/16	8 3/8	6 7/8	3 7/8
XD5-TB	1 1/2	9 1/4	8 7/32	6 3/4	4 5/32
XD6-TB	2	9 3/4	8 21/32	7 1/4	4 11/16
XD7-TB	2 1/2	11 3/4	11 3/8	9 1/2	4 7/8
XD8-TB	3	10 1/2	9 21/32	7 21/32	5 15/16
XD9-TB	3 1/2	10 9/16	9 3/4	7 3/4	6 5/8
XD010-TB	4	13 3/16	11 27/32	8 7/8	7 9/32
XD012-TB	5	14	12 15/16	11	8 9/32
XD014-TB	6	14 5/16	13 3/8	11 1/2	9 19/32

Diagram





Relaxed position

Up to ¾" contraction from relaxed position

Up to 30° angular deflection

Up to ¾" parallel deflection

Couplings and accessories

Non-metallic expansion/deflection coupling

Axial contraction from relaxed position

Parallel deflection

Angular deflection

Innovative design improves safety and saves labor time.
Use the non-metallic expansion/deflection coupling to join two rigid PVC conduit runs in applications requiring movement in any direction at structural joints. It provides a flexible connection, safely accommodating axial or parallel deflection of up to ¾" and angular deflection of up to 30° from relaxed position.

This coupling meets the requirements of the National Electrical Code (NEC) Article 300.4(H) for use where a raceway crosses a structural joint intended for expansion, contraction or deflection in buildings, bridges, parking garages and similar structures.

- Suitable for use indoors, outdoors, direct burial or embedded in concrete in bridges, piers, parking garages, overhead walkways, hospitals and other buildings
- Flexible neoprene outer jacket with tamper-proof stainless steel straps ensures superior protection and corrosion resistance suitable for wet locations
- Inner sleeve provides a constant, smooth inner diameter in any position to ease wire pulling and prevent wire insulation damage
- Up to five times faster to install than the traditional method
- Up to 5-to-1 SKU reduction
- Can be used with Schedule 40 and Schedule 80 rigid PVC conduit as well as with fiberglass raceways (different adhesive required)
- UV resistant
- Patent pending

Listings/compliances
- cULus listed
- CSA certified to CSA C22.2 No. 85
- NEC Article 300.4(H) compliant

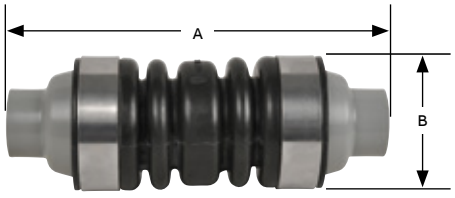
Materials/finishes
- Coupling ends: smooth gray PVC
- Inner sleeve: smooth gray PVC
- Outer jacket: natural black molded neoprene
- Jacket straps: stainless steel

NON-METALLIC EXPANSION/DEFLECTION COUPLING

c UL us LISTED

Cat. no.	Trade size (in.)	Dimension A (in.)	Dimension B (in.)*
XD1NM-TB	½	7.28	2.40
XD2NM-TB	¾	7.36	2.66
XD3NM-TB	1	7.66	2.96
XD5NM-TB	1½	8.26	3.60
XD6NM-TB	2	9.14	4.34
XD7NM-TB	2½	10.75	5.15
XD8NM-TB	3	11.36	5.60
XD010NM-TB	4	12.25	7.17

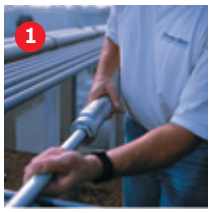
Diagram



*Add 0.25" to O.D. clearance for strap buckle

Couplings and accessories

XJG conduit expansion coupling



01 Slide the fitting onto the conduit until it stops at the internal sliding bushing. Tighten and you're ready. No parts to reassemble!

02 With a wrench, tighten the gland nut to compress the Teflon packing, creating a raintight seal around the conduit.

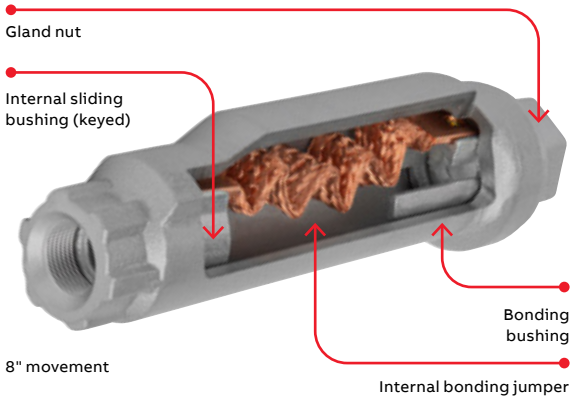
03 Thread the next length of conduit into the other end of the fitting and tighten. You're done!

No disassembly required.

Suggested specifications for expansion fittings for rigid steel or intermediate metal conduit

Where raceways require expansion fittings to compensate for thermal expansion and contraction and where expansion fittings and telescoping sections of metal raceway shall be made electrically continuous by bonding jumpers or other means:

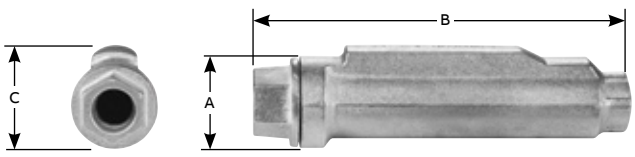
- The fitting will be constructed from malleable or ductile iron with exterior and interior zinc plating for corrosion protection.
- The fitting shall be constructed so that disassembly is not required during installation.
- The fitting shall be raintight after installation.
- The fitting shall have an internal bonding jumper constructed of a copper braid, sized to meet UL fault current test requirements and comply with bonding requirements – NEC Article 250.98.
- External bonding jumper shall not be required to comply with NEC requirements
- Accepted manufacturers: ABB XJG-TB series



XJG-TB CONDUIT EXPANSION COUPLING FOR RIGID AND INTERMEDIATE METAL CONDUIT

Cat no.	Hub size (in.)	Movement (in.)	A Diameter (in.)	B Length (in.)	C Height (in.)
XJG24-TB	¾	4	2.43	10.00	2.75
XJG28-TB	¾	8	2.43	14.00	2.75
XJG34-TB	1	4	2.67	10.00	2.99
XJG38-TB	1	8	2.67	14.00	2.99
XJG44-TB	1¼	4	3.36	10.56	3.68
XJG48-TB	1¼	8	3.36	14.56	3.68
XJG54-TB	1½	4	3.36	10.56	3.68
XJG58-TB	1½	8	3.36	14.56	3.68
XJG64-TB	2	4	3.86	11.25	4.18
XJG68-TB	2	8	3.86	15.25	4.18
XJG74-TB	2½	4	4.96	12.12	5.25
XJG78-TB	2½	8	4.96	16.12	5.25
XJG84-TB	3	4	4.96	12.12	5.25
XJG88-TB	3	8	4.96	16.12	5.25
XJG94-TB	3½	4	6.37	12.87	6.75
XJG98-TB	3½	8	6.37	16.87	6.75
XJG104-TB	4	4	6.37	12.87	6.75
XJG108-TB	4	8	6.37	16.87	6.75
XJG1208-TB	5	8	7.99	18.87	8.56

Diagram



Please consult Technical Services for special orders and availability of products not shown in this list.

Couplings and accessories

XJG-EMT conduit expansion coupling for EMT and threadless connectors/couplings

XJG24-EMT

8123 Series

8130 Series

120 Series

Features

- Fast and easy installation – no disassembly required
- No external grounding strap needed – internal bonding jumper is protected from tampering and the environment
- Exceeds code requirements for long conduit runs to permit linear movement
- Rain tight for outdoor applications

Standard materials/finish

- Body: ductile iron, available PVC coated
- Internal bonding jumper: tinned copper braid
- Exterior and interior finish: zinc plating, aluminum acrylic paint
- Packing: PTFE/synthetic fiber material

Listings/compliances

- UL File E23018, Std. 514B, suitable for wet locations
- CSA File LR2884, Std. C22.2 No. 18
- NEC 250.98
- Rain-tight

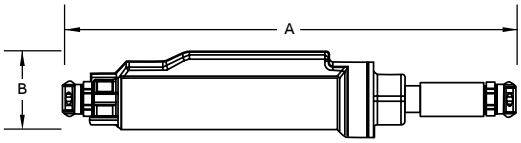
Note: XJG-EMT couplings are UL listed for use with aluminum EMT.

XJG-EMT CONDUIT EXPANSION COUPLING FOR EMT

XJG24-EMT

Cat no.	Size (in.)	Movement (in.)	A Length (in.)	B Height (in.)
XJG24-EMT	¾	4	17.39	2.75
XJG28-EMT	¾	8	21.39	2.75
XJG34-EMT	1	4	17.42	2.99
XJG38-EMT	1	8	21.42	2.99
XJG44-EMT	1¼	4	18.27	3.46
XJG48-EMT	1¼	8	22.27	3.46
XJG54-EMT	1½	4	18.69	3.68
XJG58-EMT	1½	8	22.69	3.68
XJG64-EMT	2	4	19.04	4.18
XJG68-EMT	2	8	23.04	4.18
XJG74-EMT	2½	4	23.23	4.52
XJG78-EMT	2½	8	27.23	4.52
XJG84-EMT	3	4	24.09	5.25
XJG88-EMT	3	8	28.09	5.25
XJG94-EMT	3½	4	28.70	6.00
XJG98-EMT	3½	8	28.70	6.00
XJG104-EMT	4	4	29.30	6.75
XJG108-EMT	4	8	29.30	6.75

Diagram



Threadless connectors/couplings

- For threadless rigid metal conduit and intermediate metal conduit

Application

- To connect and effectively bond threadless rigid metal conduit/intermediate metal conduit to a box or enclosure, or to couple ends of threadless conduit

Features

- Steel/malleable iron construction
- Case-hardened ring bites into conduit for high-quality continuity and grip
- Nylon insulator firmly secured in place protects conductors and reduces wire pulling effort by as much as 50%; prevents thread damage in handling
- Case-hardened steel locknut or malleable iron locknut designed to provide a positive bond
- Suitable for concrete-tight application
- Capable of carrying ground fault currents up to 10,000 amps RMS (½" through 1½" size) and 20,000 amps RMS (2" and above sizes) for a duration of three current cycles

Standard material

- Nut, gland: ½" to 1" steel; 1¼" to 4" malleable iron
- Body: all malleable iron
- Ring: steel (case hardened)
- Insulator: nylon
- Locknut: ½" through 2" steel (hardened) 2" through 4" malleable iron

Standard finish

- Electro zinc plated and chromate coated

Range

- 8123 and 8120 Series: ½" through 4" size conduit
- 8130 Series: ½" through 2" size conduit
- All hub threads: straight pipe (NPS)

Listings/compliances

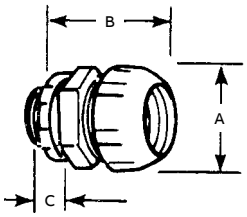
- UL 514B: Federal Specification A-A-50553
- CSA C22.2 No. 18: Federal Standard H-28 (threads)
- NFPA 70: UL (UL File No: E-23018)
- NEMA FB1: CSA (LR-2884, LR-4484)

Couplings and accessories

Threadless connectors/couplings

- Split steel ring with diagonal serrations grips conduit and bites in for positive ground
- Makes a permanent connection
- Eliminates need for cutting a thread on conduit
- Malleable iron construction
- Insulation helps ensure continuity of service by protecting the conductor at the critical point – the connector bushing
- Look for the unique blue color, ensuring the highest quality fitting

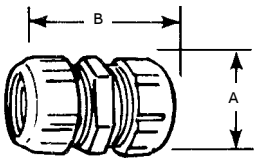
THREADLESS CONNECTORS

	Cat. no.		Conduit size (in.)	Dimensions (in.)		
	Nylon insulated	Non-insulated		A	B	C
Diagram	8123	8121	½	1 7/32	1 11/16	½
	8223	8221	¾	1 17/32	1 ¾	½
	8323	8321	1	1 29/32	2	9/16
	8423	8421	1¼	2 3/8	2 7/16	11/16
	8523	8521	1½	2 11/16	2 5/8	¾
	8623	8621	2	3¼	2 13/16	27/32
	8723-TB	8721	2½	4⅛	3 13/16	1⅛
	8823-TB	8821	3	4⅞	4	1 7/32
	8853	8851	3½	5½	4⅛	1⅛
	8973	8971	4	6 1/32	4⅞	1⅛

Available with DURA-PLATE® finish. UL File No. E-23018 CSA File No. 2884

- Just tighten with a wrench to make a UL listed and CSA certified concrete-tight connection
- Eliminates need for conduit threading
- Malleable iron construction

THREADLESS COUPLINGS

			Dimensions (in.)	
	Cat. no.	Conduit size (in.)	A	B
Diagram	8120	½	1 9/32	2
	8220	¾	1 19/32	2 5/16
	8320	1	1⅞	2 11/16
	8420	1¼	2 3/8	2 13/16
	8520	1½	2 5/8	3 5/8
	8620	2	3¼	3 13/16
	8720	2½	3 15/16	5 3/8
	8820	3	4 11/16	5½
	8850	3½	5 3/16	5½
	8970	4	5 11/16	5½

Available with DURA-PLATE® finish. UL File No. E-23018 CSA File No. 2884

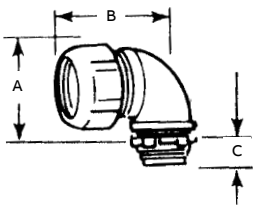
Couplings and accessories

Threadless short elbows and set-screw connector/coupling

- Ideal for entering enclosure or conduit body at right angles
- Eliminates need to thread conduit
- As with straight couplings, makes a concrete-tight connection
- Malleable iron construction

THREADLESS SHORT ELBOWS – NYLON INSULATED

			Dimensions (in.)		
	Cat. no.	Conduit size (in.)	A	B	C
Diagram	8130	½	1 11/32	1 ½	½
	8131	¾	1 5/8	1 ¾	9/16
	8132	1	1 7/8	1 15/16	11/16



Available with DURA-PLATE® finish. UL File No. E-23018 CSA File No. 2884

8125 series

8124 series

Set-screw connectors/couplings
For threadless rigid metal conduit and intermediate metal conduit

Application
- To connect and effectively bond threadless rigid metal conduit or intermediate metal conduit to a box or enclosure or to couple ends of threadless conduit

Features
- Thickwall steel or malleable iron body
- Hardened hex head cup point screw to provide high-quality bond
- Screw captivated, will not vibrate loose
- Nylon-insulated throat meets and exceeds all code requirements for bushing:
  - (i) Prevents thinning of insulation
  - (ii) Reduces installation effort
  - (iii) Prevents first thread damage
- Coupling provided with positive center stop
- Suitable for concrete-tight application
- Capable of carrying ground fault currents up to 10,000 amps RMS (½" through 1½" size) and 20,000 amps RMS (2" and above sizes)

Standard material
- Body: ½" through 2" steel; 2½" through 4" malleable iron
- Locknut: ½" through 2" steel (hardened); 2½" through 4" malleable iron
- Screw: steel (hardened)
- Insulator: nylon

Standard finish
- Electro zinc plated and chromate coated

Listings/compliances
- UL (UL File No: E-23018)
- CSA (LR-2884, LR-4484)
- UL 514B
- CSA C22.2 No. 18
- NFPA 70
- NEMA FB1
- Federal Specification A-A-50553
- Federal Standard H-28 (threads)

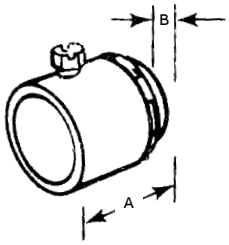
Couplings and accessories

Set-screw connector/couplings

8125 series

- Eliminates the need for conduit threading
- Captive hex head screws tighten down onto conduit for positive holding strength and ground
- Furnished with insulated throats to reduce wire-pulling effort by as much as 50%
- Approved concrete-tight

INSULATED SET-SCREW CONNECTOR

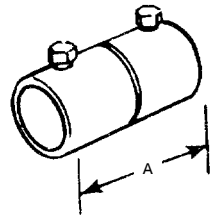
			Dimensions (in.)	
	Cat. no.	Conduit size (in.)	A	B
Diagram	8125	½	1 3/8	13/32
	8225	¾	1 1/2	7/16
	8325	1	1 3/16	35/64
	8425-TB	1 1/4	2	5/8
	8525	1 1/2	2 5/16	5/8
	8625	2	2 7/16	11/16
	8725-TB	2 1/2	3 3/8	1
	8825-TB	3	3 7/16	1
	8855	3 1/2	3 7/8	1 1/16
	8975	4	4 3/16	1 1/8

Sizes ½–2 made of steel. Sizes 2½–4 are malleable iron.
Available with DURA-PLATE® finish.
UL File No. E-23018 CSA File No. 2884

8124 series

- No need to thread conduit ends when joining rigid conduit
- Captive hex head screws provide positive holding strength and ground continuity
- Approved concrete-tight

SET-SCREW COUPLING

			Dimension (in.)
	Cat. no.	Conduit size (in.)	A
Diagram	8124	½	2 1/2
	8224	¾	2 11/16
	8324-TB	1	2 27/32
	8424	1 1/4	3
	8524	1 1/2	3 3/8
	8624	2	3 5/8
	8724-TB	2 1/2	3 7/8
	8824-TB	3	4 1/4
	8974	4	5 3/8

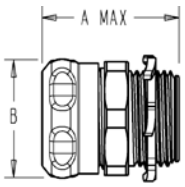
Sizes ½–2 made of steel; sizes 2½–4 are malleable iron.
Available with DURA-PLATE® finish.
UL File No. E-23018 CSA File No. 2884

Couplings and accessories

Threadless EMT connectors/couplings

- Insulated and non-insulated versions available
- Makes a permanent connection
- Eliminates need for cutting a thread on conduit
- Insulation helps ensure continuity of service by protecting the conductor at the critical point – the connector bushing
- Zinc-plated steel construction

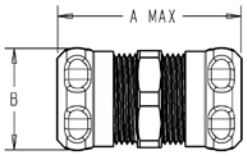
THREADLESS CONNECTORS

	Cat. no.		Conduit size (in.)	Dimensions (in.)	
	Nylon insulated	Non-insulated		A	B
Diagram	5123	5121-TB	½	1.425	1.097
	5223	5221	¾	1.425	1.305
	5323	5321	1	1.652	1.645
	5423	5421	1¼	2.062	2.127
	5523	5521-TB	1½	2.187	2.397
	5623	5621	2	2.312	2.857

UL Listed and CSA Certified concrete-tight

- Just tighten with a wrench to make a UL listed and CSA certified concrete-tight connection
- Eliminates need for conduit threading
- Zinc-plated steel construction

THREADLESS COUPLINGS

			Dimensions (in.)	
	Cat. no.	Conduit size (in.)	A	B
Diagram	5120	½	1.660	1.097
	5220	¾	1.660	1.305
	5320	1	1.934	1.645
	5420	1¼	2.374	2.127
	5520	1½	2.500	2.397
	5620	2	2.750	2.857

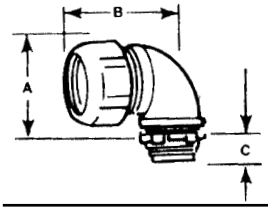
UL Listed and CSA Certified concrete-tight

Couplings and accessories

Threadless EMT short elbows and combination coupling

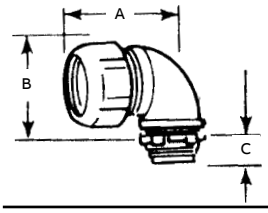
- Insulated and non-insulated versions available
- Ideal for entering enclosure or conduit body at right angles
- Eliminates need to thread conduit
- Makes a concrete-tight connection
- Bodies: Zinc-plated iron
- Locknuts: Zinc-plated steel
- Glandnuts (½"–1"): Zinc-plated steel
- Glandnuts (1¼"–2"): Zinc-plated iron

THREADLESS SHORT ELBOWS – NYLON INSULATED

			Dimensions (in.)		
	Cat. no.	Conduit size (in.)	A	B	C
Diagram	4240	½	1 7/8	1 1/8	11/16
	4241-TB	¾	1 11/16	1 3/8	½
	4242	1	1 7/8	1 5/8	5/8
	4243-TB	1¼	2 3/4	2 5/16	11/16
	4244	1½	3 1/16	2 5/8	11/16
	4245	2	3 3/8	3 7/32	¾

UL Listed and CSA Certified concrete-tight

THREADLESS SHORT ELBOWS – NON-INSULATED

			Dimensions (in.)		
	Cat. no.	Conduit size (in.)	A	B	C
Diagram	4230	½	1 7/16	1 9/32	7/16
	4231	¾	1 11/16	1 19/32	½
	4232	1	1 7/8	1 27/32	5/8
	4243	1¼	2 3/4	2 15/32	11/16
	4234	1½	3 1/16	2 3/4	11/16
	4235	2	3 3/8	3 5/16	11/16

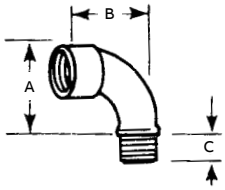
UL Listed and CSA Certified concrete-tight

Couplings and accessories

Elbows

- Smoothly rounded shoulders protect conductor insulation
- Non-insulated
- Malleable iron construction

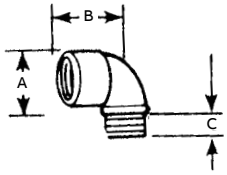
BUSHED ELBOWS

			Dimensions (in.)		
	Cat. no.	Conduit size (in.)	A	B	C
Diagram	460-TB	1/2	1 1/8	1 13/16	5/8
	461-TB	3/4	1 1/2	2 1/4	5/8
	462	1	1 13/16	2 11/16	3/4
	463	1 1/4	2 1/4	3 1/8	3/4

Available with DURA-PLATE® finish. UL File No. E 23018. CSA File No. 2884

- For non-insulated applications
- Malleable iron construction

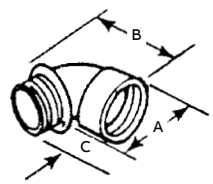
SHORT ELBOWS

			Dimensions (in.)		
	Cat. no.	Conduit size (in.)	A	B	C
Diagram	4250	1/2	1 5/16	1 1/4	7/16
	4251	3/4	1 17/32	1 5/16	1/2
	4252	1	1 13/16	1 9/16	5/8
	4253	1 1/4	2 9/32	2 1/16	11/16
	4254-TB	1 1/2	2 9/16	2 3/16	11/16
	4255-TB	2	3 3/32	2 9/16	11/16

Available with DURA-PLATE® finish. UL File #E-23018 CSA File No. 2884

- Integral insulation ensures a smooth bushing in every fitting
- Malleable iron construction

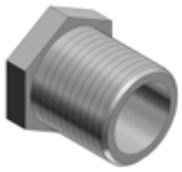
SHORT ELBOWS – NYLON INSULATED

			Dimensions (in.)		
	Cat. no.	Conduit size (in.)	A	B	C
Diagram	4290	1/2	1 7/32	1 1/4	1/2
	4291	3/4	1 7/16	1 5/16	9/16
	4292	1	1 23/32	1 9/16	11/16
	4293	1 1/4	2 7/32	2 1/16	13/16

Available with DURA-PLATE® finish. Not UL or CSA.

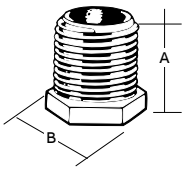
Couplings and accessories

Nipples



- Die-cast zinc
- 1" long

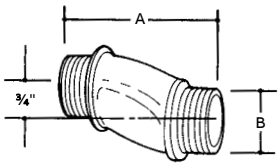
CONDUIT NIPPLES

			Dimensions (in.)	
	Cat. no.	Conduit size (in.)	A	B
Diagram	HA211	½	1	15/16
	HA212	¾	1	1 3/16
	HA213	1	1	1 7/16

UL File No. E23018 ½ and ¾ only

- Die-cast zinc

OFFSET NIPPLES

			Dimensions (in.)	
	Cat. no.	Conduit size (in.)	A	B
Diagram	HO221	½	2.60	1.00
	HO222	¾	2.62	1.32
	HO223	1	2.68	1.51
	HO224	1¼	2.85	1.85
	HO225	1½	2.88	2.08
	HO226	2	3.19	2.71

¾ offset
UL File No. E23018

Couplings and accessories

Threaded Erickson® three-piece couplings

674 series
675AL series

With an Erickson coupling, a conduit run may be completed when neither conduit can be turned. A conduit run may also be broken without taking down the whole run. Conduit joined with Erickson couplings is rigid and in line and vibration will not loosen the connections. Malleable iron.

For threaded rigid metal conduit and intermediate metal conduit.

Application
- To couple and effectively bond threaded ends of rigid metal conduit/intermediate metal conduit where neither length of conduit can be rotated

Features
- Malleable iron/steel/copper-free aluminum construction
- Free-fitting threads ensure easy assembly
- Permits conduit coupling without rotating either conduit
- Provides rigid in-line coupling with high-quality grounding; will not loosen under vibration
- Suitable for concrete-tight applications
- Suitable for direct burial applications
- Capable of carrying ground fault currents up to 10,000 amps RMS (½" through 1½" size) and up to 20,000 amps RMS (2" and above) (duration of fault current three cycles) (674 series tested)

Standard material
674 series
- Bushing and case: malleable iron
- Ring: steel and malleable iron

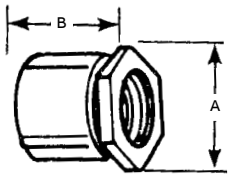
675AL series
- Bushing and case: aluminum
- Ring: aluminum

Standard finish
- 674 series: electro zinc plated and chromate coated
- 675AL series: degreased

Range
- ⅜" through 6" conduit (malleable iron)
- ½" through 6" conduit (aluminum)
- All straight pipe threads (NPS)

Listings/compliances
- UL 514B
- CSA C22.2 No. 18
- NEMA FB1
- NFPA 70-1999 (ANSI)
- Federal Specification A-A-50553
- Federal Standard H-28 (threads)

THREADED ERICKSON® THREE-PIECE COUPLINGS

Diagram	Steel/M.I. cat. no.	Alum.* cat. no.	Conduit size (in.)	Dimensions (in.) A	Dimensions (in.) B
	675	675AL	½	1 15/32	1 1/4
	675	676AL	¾	1 9/16	1 13/32
	676-TB	677AL	1	1 29/32	1 5/8
	678	678AL	1¼	2 3/8	1 13/16
	679	679AL	1½	2 5/8	1 31/32
	680-TB	680AL	2	3 7/32	2 7/32
	681	681AL	2½	3 31/32	2 11/16
	682	682AL	3	4 7/16	2 29/32
	683-TB	683AL	3½	5	3
	684	684AL	4	5½	3 3/16
	686[1]	686AL	5	6 25/32	3¾
	687[1]	687AL	6	8	4 1/32

*Copper-free aluminum
UL File No. E-23018
[1] 5" and 6" cULus

UL listed and CSA certified concrete-tight.
CSA File No. 2884

Couplings and accessories

Split couplings

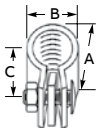
ABB's split coupling is a simple method to join threaded conduits in retrofits or in snug areas. Available in ½" to 6".

- Ideal for retrofit installations or in tight areas
- Fast installation
- Neoprene gasket provides a concrete-tight seal
- Joins threaded conduit even when the conduit can't rotate
- Approved for direct burial

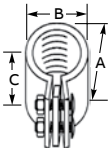
Specifications
- Material: malleable iron
- Gasket: neoprene
- Plating: zinc plated
- Standards: UL 514B, NEMA FB-1

SPLIT COUPLINGS

			Dimensions (in.)			
	Cat. no.	Trade size (in.)	A	B	C	Weight per 100
Diagrams	SPCP50	½	2	1¼	1¼	34.4
	SPCP75	¾	2 5/16	1½	1¼	39.4
	SPCP100	1	2⅝	1 13/16	1⅝	60.0
	SPCP125	1¼	3 1/16	2 3/16	1⅝	75.0
	SPCP150	1½	3 5/16	2 7/16	1 15/16	112.5
	SPCP200	2	3 13/16	2⅞	2	112.5
	SPCP250	2½	4⅝	3 9/16	3 1/16	275.0
	SPCP300	3	5 5/16	4⅛	3⅛	300.0
	SPCP350	3½	6 1/16	4 13/16	3¼	425.0
	SPCP400	4	6 9/16	5⅜	3 7/16	500.0
	SPCP500	5	8 1/16	6 9/16	3⅞	900.0
	SPCP600	6	9¼	7⅝	4 3/16	1,300.0



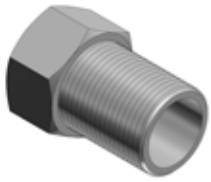
½" and ¾" furnished with one screw



1" through 6" furnished with two screws

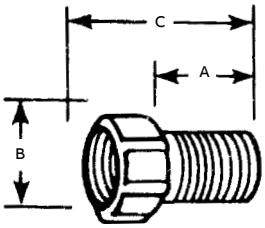
Couplings and accessories

Panel connector extensions and male enlargers



- The ideal solution for applications requiring longer thread length
- Will combine with any fitting with a male thread
- Male thread of panel connector extension is 1" long
- Steel construction

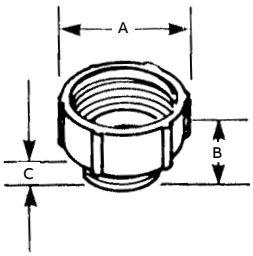
PANEL CONNECTOR EXTENSIONS

	Cat. no.	Conduit size (in.)	Dimensions (in.) A	B	C
Diagrams	1440	½	1¼	1 3/32	1 7/8
	1441	¾	1⅜	1 11/32	2
	1442	1	1¼	1 19/32	1 15/16
	1443	1¼	1¼	1 15/16	1 5/16

UL File No. E-23018
CSA File No. 2884

- Adapt an outlet hole to the next larger size of conduit
- Built-in bushing covers rough ends of conduit
- Malleable iron construction

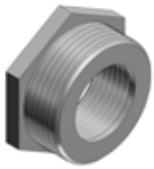
MALE ENLARGERS*

	Cat. no.	Conduit size (in.)	Dimensions (in.) A	B	C
Diagrams	1245	½ to ¾	1 13/32	1 1/16	½
	1246-TB	¾ to 1	1 11/16	1¼	15/32
	1244	1 to 1¼	2 1/16	1 11/32	½
	1247	1¼ to 1½	2 5/16	1⅜	9/16

* All items shown in this chart are suitable for use in hazardous locations where general purpose equipment is specifically permitted by the NEC; Class I, Div. 2; Class II, Div. 1 & 2; Class III, Div. 1 & 2, NEC 501-4(b); 502-4(a)(b); 503-3(a)(b).
Available with DURA-PLATE® finish.
UL File No. E-23018
CSA File No. 2884

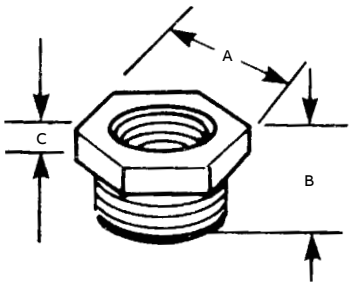
Couplings and accessories

Female reducers



- Adapt any outlet to the next smaller size of conduit
- Hex shoulder for easy wrench tightening
- Malleable iron construction

FEMALE REDUCERS*

	Cat. no.	Conduit size (in.)	Dimensions (in.) A	B	C
Diagrams	1250-TB	¾ to ½	1⅛	⅝	3/16
	1261	1 to ½	1 7/16	21/32	3/16
	1251	1 to ¾	1⅜	11/16	3/16
	1262	1¼ to ½	1 13/16	23/32	3/16
	1263	1¼ to ¾	1 13/16	23/32	3/16
	1252	1¼ to 1	1¾	25/32	7/32
	1253	1½ to 1¼	2	13/16	¼
	1254	2 to 1½	2⅜	1 3/16	9/32
	1255	2½ to 2	3	1¼	⅜
	1256	3 to 2½	3⅝	1½	½
	1257	3½ to 3	4⅛	1 9/16	½
	1258	4 to 3½	4⅝	1 9/16	½

* All items shown in this chart are suitable for use in hazardous locations where general purpose equipment is specifically permitted by the NEC; Class I, Div. 2; Class II, Div. 1 & 2; Class III, Div. 1 & 2, NEC 501-4(b); 502-4(a) (b); 503-3(a) (b).
Available with DURA-PLATE® finish. UL File No. E-23018 CSA File No. 2884

Couplings and accessories

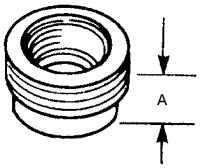
Threaded reducers and reducing washers

- Reduces threaded opening in conduit bodies or any female threaded fitting
- Smooth, built-in bushing completely covers rough ends of conduit
- Malleable iron or steel construction (steel through 606, also 614 and 615)

THREADED REDUCERS

Cat. no.		Trade size (in.)	Dimension (in.)
Steel or MI	Alum.		A
600-TB	600AL-TB	½ to ⅜	9/16
601-TB	601AL-TB	¾ to ½	9/16
602-TB	602AL-TB	1 to ½	5/8
603-TB	603AL-TB	1 to ¾	5/8
604-TB	604AL-TB	1¼ to ½	13/16
605-TB	605AL	1¼ to ¾	5/8
606-TB	606AL	1¼ to 1	15/16
607	607AL	1½ to ½	13/16
608	608AL	1½ to ¾	13/16
609	609AL	1½ to 1	15/16
610-TB	610AL	1½ to 1¼	¾
611-TB	611AL	2 to ½	15/16
612	612AL	2 to ¾	15/16
613	613AL	2 to 1	15/16
614-TB	614AL	2 to 1¼	15/16
615-TB	615AL	2 to 1½	7/8

Diagram



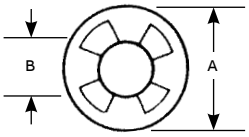
UL File No. E-23018
CSA File No. 2884

- Reduce knockout hole in outlet box
- Used in pairs
- Interlock to form a rib that centers washers and conduit in knockout
- Galvanized steel construction

REDUCING WASHERS

Cat. no.	Trade size (in.)	Dimensions (in.) A	Dimensions (in.) B
3700	¾ to ⅜	1⅜	45/64
3701	¾ to ½	1⅜	7/8
3702-TB	1 to ⅜	1⅝	45/64
3703	1 to ½	1⅝	7/8
3704	1 to ¾	1⅝	1 3/32
3705-TB	1¼ to ⅜	2	45/64
3706-TB	1¼ to ½	2	7/8
3707	1¼ to ¾	2	1 3/32
3708	1¼ to 1	2	1 23/64
3709	1½ to ⅜	2¼	45/64
3710	1½ to ½	2¼	7/8
3711	1½ to ¾	2¼	1 3/32
3712	1½ to 1	2¼	1 23/64
3713	1½ to 1¼	2¼	1 23/32
3714	2 to ½	2¾	7/8
3715-TB	2 to ¾	2¾	1 3/32
3716	2 to 1	2¾	1 23/64
3717	2 to 1¼	2¾	1 23/32
3718	2 to 1½	2¾	1 31/32

Diagram



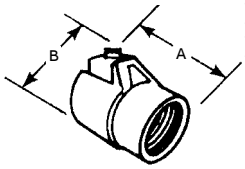
UL File No. E-13938
CSA File No. 2884

Couplings and accessories

Combination couplings and entrance ells

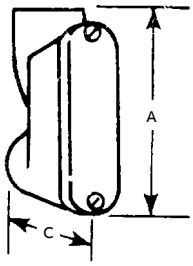
- One-piece fitting couples armored cable or flexible conduit to threaded rigid conduit
- Tite-Bite® wedge holds conduit securely with a double grip
- When used with a Chase® nipple, this fitting will connect flexible conduit to outlet boxes, enabling more wiring space in the box than the usual connector
- UL listed as a grounding means under NEC 350-5
- Malleable iron construction
- Mount flat against wall, eliminating the need to offset conduit
- Designed for a straight pull in either direction
- Smooth surface
- Make it easy to pull heavy wires without damage to insulation
- Made of copper-free aluminum

TITE-BITE COMBINATION COUPLINGS – ARMORED CABLE FOR THREADED RIGID

Diagram	Cat. no.	Conduit size (in.)	Dimensions (in.) A	Dimensions (in.) B
	440-TB	½	1 5/8	1 27/32
	441	¾	1 3/4	2 1/8
	442-TB	1	2	2 17/32

UL File No. E-23018
CSA File No. 2884

ENTRANCE ELLS

Diagram	Cat. no.	Conduit size (in.)	Dimensions (in.) A	Dimensions (in.) C
	1490	½	3	1 19/32
	1491	¾	3 9/16	1 7/8
	1492	1	4 1/4	2 23/64
	1493	1 1/4	5 31/64	2 13/16
	1494	1 1/2	6 1/4	2 7/8

UL File No. E-23018.
CSA File Nos. 2884

05

Stainless steel conduit, fittings and accessories

Stainless steel conduit, fittings and accessories

Stainless steel conduit

Withstand corrosive environments and meet stringent sanitary requirements.
For corrosion-resistant electrical conduit systems, stainless steel offers value and performance that's hard to match, combining high corrosion, chemical and temperature resistance with strength, durability, ease of installation and low maintenance. Compared to standard galvanized steel conduit in corrosive environments, type 304 stainless steel offers up to five times the lifespan, while type 316 offers up to eight times the lifespan. Because it is very easy to clean and its surface has no pores or cracks to harbor bacteria and other impurities, stainless steel also provides one of the most hygienic surfaces.

- Available in both type 304 and marine-grade type 316 stainless steel
- Features standard NPT threads for easy installation
- Each 10-ft. length of conduit ships with one stainless steel coupling included
- Couplings also sold separately
- Exceeds requirements for washdown applications
- Food- and potable water-safe
- Satisfies plant-cleanliness mandates from HACCP, FDA and various state agencies
- Meets ASTM A-321/SA-312 Standards
- UL/cUL Listed

Typical applications

- Petrochemical refining/processing
- Water and wastewater treatment
- Food and beverage processing
- Marine and coastal facilities
- Pharmaceutical manufacturing
- Pulp and paper processing
- Other applications in corrosive environments or with strict hygiene requirements

STAINLESS STEEL RIGID CONDUIT

Cat. no.	Trade size (in.)	Weight (lbs./ft.)	Std. pkg. qty. ft.
Type 304 stainless steel conduit with coupling			
COND1/2SS	½	0.82	1,500
COND3/4SS	¾	1.09	1,000
COND1SS	1	1.61	700
COND11/4SS	1¼	2.18	350
COND11/2SS	1½	2.63	300
COND2SS	2	3.50	200
COND21/2SS	2½	5.59	120
COND3SS	3	7.27	90
COND4SS	4	10.08	40
COND5SS	5	13.25	40
COND6SS	6	17.65	40

Cat. no.	Trade size (in.)	Weight (lbs./ft.)	Std. pkg. qty. ft.
Type 316 stainless steel conduit with coupling			
COND1/2SST	½	0.82	1,500
COND3/4SST	¾	1.09	1,000
COND1SST	1	1.61	700
COND11/4SST	1¼	2.18	350
COND11/2SST	1½	2.63	300
COND2SST	2	3.50	200
COND21/2SST	2½	5.59	120
COND3SST	3	7.27	90
COND4SST	4	10.08	40
COND5SST	5	13.25	40
COND6SST	6	17.65	40

Note: Conduit sold in 10-ft. lengths. Each 10-ft. length ships with one coupling.

Stainless steel conduit, fittings and accessories

Stainless steel coupling and pipe caps

Withstand corrosive environments and meet stringent sanitary requirements.

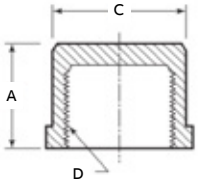
STAINLESS STEEL COUPLINGS – TYPE 304

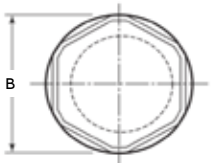
Cat. no.	Trade size (in.)	Weight (lbs./ea.)	Std. pkg. qty.
CPL1/2SS	½	0.22	100
CPL3/4SS	¾	0.28	50
CPL1SS	1	0.39	30
CPL11/4SS	1¼	0.55	25
CPL11/2SS	1½	0.77	25
CPL2SS	2	1.10	20
CPL21/2SS	2½	2.09	12
CPL3SS	3	3.15	16
CPL4SS	4	4.29	10
CPL5SS	5	7.70	4
CPL6SS	6	10.15	4

STAINLESS STEEL COUPLINGS – TYPE 316

Cat. no.	Trade size (in.)	Weight (lbs./ea.)	Std. pkg. qty.
CPL1/2SST	½	0.17	100
CPL3/4SST	¾	0.29	50
CPL1SST	1	0.34	30
CPL11/4SST	1¼	0.37	25
CPL11/2SST	1½	0.61	25
CPL2SST	2	0.90	20
CPL21/2SST	2½	1.87	12
CPL3SST	3	1.93	16
CPL4SST	4	3.97	10
CPL5SST	5	7.70	4
CPL6SST	6	10.15	4

STAINLESS STEEL PIPE CAPS — TYPE 316

				Dimensions (in.)			
	Cat. no.	Trade size (in.)	Weight/100 lbs.	A	B	C	D
Diagrams	PIPECAP1/2SST	½	14	1.00	1.12	1.03	½–14 NPT
	PIPECAP3/4SST	¾	22	1.06	1.37	1.25	¾–14 NPT
	PIPECAP1SST	1	33	1.25	1.62	1.50	1–11½ NPT
	PIPECAP11/4SST	1¼	45	1.25	1.99	1.88	1¼–11½ NPT
	PIPECAP11/2SST	1½	53	1.25	2.24	2.09	1½–11½ NPT
	PIPECAP2SST	2	96	1.31	2.87	2.63	2–11½ NPT
	PIPECAP21/2SST	2½	164	1.88	3.37	3.13	2½–8 NPT
	PIPECAP3SST	3	231	2.00	3.99	3.75	3–8 NPT
	PIPECAP4SST	4	445	2.13	5.24	4.88	4–8 NPT



Stainless steel conduit, fittings and accessories

Stainless steel nipples

Withstand corrosive environments and meet stringent sanitary requirements.

CONDUIT NIPPLES

Type 304 stainless steel	Close	1½"	2"	2½"	3"	3½"
½	CLNPL1/2SS	NPL1/2X11/2SS	NPL1/2X2SS	NPL1/2X21/2SS	NPL1/2X3SS	NPL1/2X31/2SS
¾	CLNPL3/4SS1	NPL3/4X11/2SS	NPL3/4X2SS	NPL3/4X21/2SS	NPL3/4X3SS1	NPL3/4X31/2SS
1	CLNPL1SS1	—	NPL1X2SS	NPL1X21/2SS	NPL1X3SS1	NPL1X31/2SS
1¼	CLNPL11/4SS	—	NPL11/4X2SS	NPL11/4X21/2SS	NPL11/4X3SS	NPL11/4X31/2SS
1½	CLNPL11/2SS	—	NPL11/2X2SS	NPL11/2X21/2SS	NPL11/2X3SS	NPL11/2X31/2SS
2	CLNPL2SS	—	—	—	—	NPL2X31/2SS
2½	CLNPL21/2SS	—	—	—	—	—
3	CLNPL3SS	—	—	—	—	—

Type 316 stainless steel	Close	1½"	2"	2½"	3"	3½"
½	CLNPL1/2SST	NPL1/2X11/2SST	NPL1/2X2SST	NPL1/2X21/2SST	NPL1/2X3SST	NPL1/2X31/2SST
¾	CLNPL3/4SST	NPL3/4X11/2SST	NPL3/4X2SST	NPL3/4X21/2SST	NPL3/4X3SST	NPL3/4X31/2SST
1	CLNPL1SST	—	NPL1X2SST	NPL1X21/2SST	NPL1X3SST	NPL1X31/2SST
1¼	CLNPL11/4SST	—	NPL11/4X2SST	NPL11/4X21/2SST	NPL11/4X3SST	NPL11/4X31/2SST
1½	CLNPL11/2SST	—	NPL11/2X2SST	NPL11/2X21/2SST	NPL11/2X3SST	NPL11/2X31/2SST
2	CLNPL2SST	—	—	—	—	NPL2X31/2SST

4"	5"	6"	8"	10"	12"
NPL1/2X4SS	NPL1/2X5SS	NPL1/2X6SS	NPL1/2X8SS	NPL1/2X10SS	NPL1/2X12SS
NPL3/4X4SS	NPL3/4X5SS	NPL3/4X6SS	NPL3/4X8SS	NPL3/4X10SS	NPL3/4X12SS1
NPL1X4SS	NPL1X5SS	NPL1X6SS	NPL1X8SS	NPL1X10SS	NPL1X12SS1
NPL11/4X4SS	NPL11/4X5SS	NPL11/4X6SS	NPL11/4X8SS	NPL11/4X10SS	NPL11/4X12SS
NPL11/2X4SS	NPL11/2X5SS	NPL11/2X6SS	NPL11/2X8SS	NPL11/2X10SS	NPL11/2X12SS
NPL2X4SS	NPL2X5SS	NPL2X6SS	NPL2X8SS	NPL2X10SS	NPL2X12SS
—	NPL21/2X5SS	NPL21/2X6SS	NPL21/2X8SS	NPL21/2X10SS	NPL21/2X12SS
—	—	—	—	—	NPL3X12SS

4"	5"	6"	8"	10"	12"
NPL1/2X4SST	NPL1/2X5SST	NPL1/2X6SST	NPL1/2X8SST	NPL1/2X10SST	NPL1/2X12SST
NPL3/4X4SST	NPL3/4X5SST	NPL3/4X6SST	NPL3/4X8SST	NPL3/4X10SST	NPL3/4X12SST
NPL1X4SST	NPL1X5SST	NPL1X6SST	NPL1X8SST	NPL1X10SST	NPL1X12SST
NPL11/4X4SST	NPL11/4X5SST	NPL11/4X6SST	NPL11/4X8SST	NPL11/4X10SST	NPL11/4X12SST
NPL11/2X4SST	NPL11/2X5SST	NPL11/2X6SST	NPL11/2X8SST	NPL11/2X10SST	NPL11/2X12SST
NPL2X4SST	NPL2X5SST	NPL2X6SST	NPL2X8SST	NPL2X10SST	NPL2X12SST

Stainless steel conduit, fittings and accessories

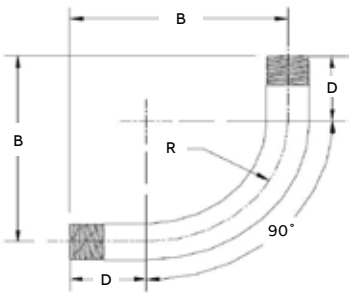
Stainless steel elbows

Withstand corrosive environments and meet stringent sanitary requirements.

STANDARD RADIUS ELBOWS 90°

Cat. no.	Trade size (in.)	Radius "R"	Offset "C"*	Straight end "D"*	Weight (lbs./ea.)	Std. pkg. qty.
Type 304 stainless steel elbows						
ELL1/2SS	½	4	5.50	1.50	0.64	25
ELL3/4SS1	¾	4.5	6.00	1.50	0.92	25
ELL1SS1	1	5.75	7.63	1.88	1.69	20
ELL11/4SS	1¼	7.25	9.25	2.00	2.66	8
ELL11/2SS1	1½	8.25	10.25	2.00	3.67	8
ELL2SS	2	9.5	11.50	2.00	5.31	6
Type 316 stainless steel elbows						
ELL1/2SST	½	4	5.50	1.50	0.64	25
ELL3/4SST	¾	4.5	6.00	1.50	0.92	25
ELL1SST	1	5.75	7.63	1.88	1.69	20
ELL11/4SST	1¼	7.25	9.25	2.00	2.66	8
ELL11/2SST	1½	8.25	10.25	2.00	3.67	8
ELL2SST	2	9.5	11.50	2.00	5.31	6

Diagram



* Minimum

Stainless steel conduit, fittings and accessories

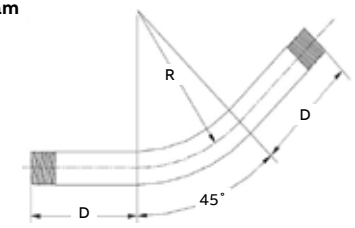
Stainless steel elbows

Withstand corrosive environments and meet stringent sanitary requirements.

STANDARD RADIUS ELBOWS 45°

Cat. no.	Trade size (in.)	Radius "R"	Straight end "D"*	Weight (lbs./ea.)	Std. pkg. qty.
Type 304 stainless steel elbows					
ELL1/245SS	½	4	1.50	0.42	25
ELL3/445SS	¾	4.5	1.50	0.61	25
ELL145SS	1	5.75	1.88	1.11	20
ELL11/445SS	1¼	7.25	2.00	1.70	16
ELL11/245SS	1½	8.25	2.00	2.30	16
ELL245SS	2	9.5	2.00	3.10	9
Type 316 stainless steel elbows					
ELL1/245SST	½	4	1.50	0.42	25
ELL3/445SST	¾	4.5	1.50	0.61	25
ELL145SST	1	5.75	1.88	1.11	20
ELL11/445SST	1¼	7.25	2.00	1.70	16
ELL11/245SST	1½	8.25	2.00	2.30	16
ELL245SST	2	9.5	2.00	3.10	9

Diagram



* Minimum

Stainless steel conduit, fittings and accessories

Stainless steel pipe straps

TS901-SS

HS901-SS

HS100-SS

Support and securely fasten rigid, IMC and EMT conduit.

- Type 303 stainless steel
- Higher degree of corrosion resistance than traditional zinc-plated or hot-dipped galvanized straps
- One- and two-hole straps for EMT sizes ½" through 2"
- One- and two-hole straps for rigid and IMC sizes ½" through 4"

TYPE 304 STAINLESS STEEL PIPE STRAPS

Cat. no.	Trade size (in.)	Wt. per 100	Hole dia. (in.)	Std. pkg.
One-hole EMT straps				
TS101-SS	½	2.21	¼	25
TS102-SS	¾	2.49	¼	25
TS103-SS	1	3.31	¼	25
TS104-SS	1¼	3.64	11/16	10
TS105-SS	1½	3.87	11/16	5
TS106-SS	2	4.03	11/16	5
One-hole rigid/IMC straps				
HS100-SS	⅜	2.00	9/32	20
HS101-SS	½	2.21	9/32	20
HS102-SS	¾	2.49	9/32	20
HS103-SS	1	3.48	9/32	20
HS104-SS	1¼	3.76	11/32	10
HS105-SS	1½	18.22	13/32	10
HS106-SS	2	19.69	13/32	5
HS107-SS	2½	67.21	15/32	5
HS108-SS	3	76.45	17/32	5

Cat. no.	Trade size (in.)	Wt. per 100	Hole dia. (in.)	Std. pkg.
Two-hole EMT straps				
TS901-SS	½	2.21	¼	25
TS902-SS	¾	3.31	¼	25
TS903-SS	1	3.87	¼'	25
TS904-SS	1¼	7.54	11/16	10
TS905-SS	1½	12.21	11/16	5
TS906-SS	2	18.23	11/16	5
Two-hole rigid/IMC straps				
HS901-SS	½	2.49	9/32	20
HS902-SS	¾	3.64	9/32	20
HS903-SS	1	4.15	9/32	20
HS904-SS	1¼	8.17	11/32	10
HS905-SS	1½	17.50	13/32	10
HS906-SS	2	21.37	13/32	5
HS907-SS	2½	21.54	15/32	5
HS908-SS	3	25.72	17/32	5
HS910-SS	4	31.70	17/32	5

Stainless steel conduit, fittings and accessories

Type 316 stainless steel pipe straps

HS101SST

HS901SST

HS110SST

HS910SST

Support and securely fasten rigid conduit.

- Type 316 stainless steel
- Higher degree of corrosion resistance than traditional zinc-plated or hot-dipped galvanized straps
- One- and two-hole straps for rigid and IMC sizes ½" through 4"

TYPE 316 STAINLESS STEEL PIPE STRAPS

Cat. no.	Trade size (in.)	Hole dia. (in.)	Wt. per 100 (lbs.)
One-hole rigid/IMC stainless steel 316 straps			
HS101SST	½	0.25	4
HS102SST	¾	0.25	5
HS103SST	1	0.31	8
HS104SST	1¼	0.38	12
HS105SST	1½	0.44	15
HS106SST	2	0.56	24
HS107SST	2½	0.56	43
HS108SST	3	0.56	47
HS110SST	4	0.56	72

Cat. no.	Trade size (in.)	Hole dia. (in.)	Wt. per 100 (lbs.)
Two-hole rigid/IMC stainless steel 316 straps			
HS901SST	½	0.19	2
HS902SST	¾	0.19	3
HS903SST	1	0.25	4
HS904SST	1¼	0.25	6
HS905SST	1½	0.25	9
HS906SST	2	0.38	11
HS907SST	2½	0.38	16
HS908SST	3	0.38	20
HS910SST	4	0.44	29

Stainless steel conduit, fittings and accessories

Type 316 stainless steel right-angle and beam clamps

- For mounting pipe or conduit at right angles to the beam
- Type 316 stainless steel

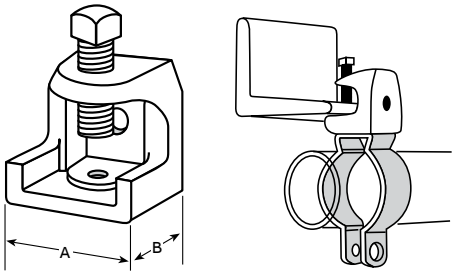
TYPE 316 STAINLESS STEEL RIGHT-ANGLE CLAMPS

Cat. no.	Dimensions (in.) nom. conduit or pipe size	O.D. of conduit or pipe (in.)	Std. ctn.
RC1/2SST	½	0.840	50
RC3/4SST	¾	1.050	25
RC1SST	1	1.315	25
RC11/4SST	1¼	1.660	25
RC11/2SST	1½	1.900	10
RC2SST	2	2.375	10

TYPE 316 STAINLESS STEEL BEAM CLAMPS

Cat. no.	Base size (in.) A	Base size (in.) B	Jaw opening (in.)	Tapping of base and back holes	Set screw load rating‡	Torque in inch-lbs.	Std. ctn.
500SS316	1	1¼	1 5/16	¼–20	250	60	50
502SS316	2	2	1	⅜–16	750	120	50
503SS316	2⅝	2½	1	½–13	1,250	250	20

Diagrams



‡Safety factor of 3.
Load ratings based on bottom hole of beam clamp.
CSA File No. LR-52208.

Stainless steel conduit, fittings and accessories

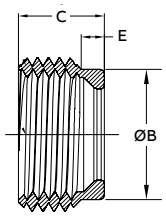
Type 316 stainless steel threaded reducers and locknuts

- Reduces threaded opening in conduit bodies or any female threaded fitting
- Smooth, built-in bushing completely covers rough ends of conduit
- Type 316 stainless steel

TYPE 316 STAINLESS STEEL THREADED REDUCERS

			Dimensions (in.)	
Cat. no.	Trade size	B(Ø)±0.01	E	C
RB21SST	¾ x ½	0.870	0.150	0.559
RB31SST	1 x ½	1.110	0.150	0.630
RB32SST	1 x ¾	1.110	0.150	0.630
RB42SST	1¼ x ¾	1.429	0.150	0.701
RB43SST	1¼ x 1	1.429	0.201	0.701
RB65SST	2 x 1½	2.098	0.201	0.858
RB76SST	2½ x 2	2.504	0.201	1.016

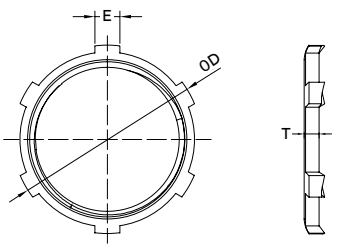
Diagram



TYPE 316 STAINLESS STEEL THREADED LOCKNUTS

			Dimensions (in.)	
Cat. no.	Trade size	E	O.D.	Thickness (T)
RLN12SST	½–14	0.24	1.13	0.13
RLN34SST	¾–14	0.25	1.38	0.15
RLN1SST	1–11.5	0.26	1.72	0.17
RLN114SST	1¼–11.5	0.44	2.07	0.17
RLN112SST	1½–11.5	0.31	2.38	0.17
RLN2SST	2–11.5	0.44	2.89	0.19
RLN212SST	2½–8	0.47	3.70	0.39
RLN3SST	3–8	0.47	4.29	0.39
RLN312SST	3½–8	0.47	4.80	0.39
RLN4SST	4–8	0.47	5.31	0.39

Diagrams



Stainless steel conduit, fittings and accessories

Type 316 stainless steel threaded three-piece coupling

01 675SST series — With a three-piece coupling, a conduit run may be completed when neither conduit can be turned. A conduit run may also be broken without taking down the entire run. Conduit joined with three-piece couplings is rigid and in line, and vibration will not loosen the connections.

For threaded rigid stainless steel conduit.

Application
- To couple and effectively bond threaded ends of rigid stainless steel conduit where neither length of conduit can be rotated

Features
- 316 stainless steel construction
- Free-fitting threads ensure easy assembly
- Permits conduit coupling without rotating either conduit
- Provides rigid in-line coupling with high-quality grounding; will not loosen under vibration
- Suitable for concrete-tight application

Standard material
- Type 316 stainless steel

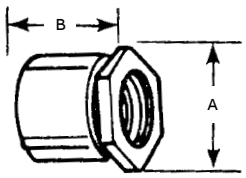
Range
- ½" through 2" conduit
- All straight pipe threads (NPS)

Listings/compliances
- UL 514B
- CSA C22.2 No. 18
- cUL
- NEMA FB1

TYPE 316 STAINLESS STEEL THREADED THREE-PIECE COUPLING

		Dimensions (in.)	
Cat. no.	Conduit trade size	A	B
675SST	½	1.10	1.26
676SST	¾	1.10	1.56
677SST	1	1.38	1.73
678SST	1¼	1.91	2.28
679SST	1½	1.92	2.52
680SST-TB	2	2.47	3.11

Diagram



Stainless steel conduit, fittings and accessories

Type 316 stainless steel conduit hub

01 Type 316 stainless steel conduit hub

02 When installed on conduit, the hub's TPE seal covers the exposed conduit threads

Stainless steel conduit hub provides a Type 4X connection means between conduit and enclosure.

Features

- Compact body design and gasket helps make the conduit hub suitable for installation in tight spaces
- Conduit seal is extended to cover threads on conduit
- Conduit hub offers UL Type 4X, IP66 and IP67 ratings and is suitable for wash-down areas

Applications

- For use with stainless steel electrical enclosures and conduit
- Food and beverage facilities

Conforms to

- UL listed, Type 4X, IP66 and IP67 rated

Material/finishes

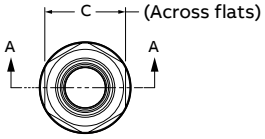
- Type 316 stainless steel (corrosion resistance)
- TPE seal material (FDA compliant)

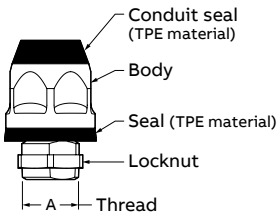
TYPE 316 STAINLESS STEEL CONDUIT HUB

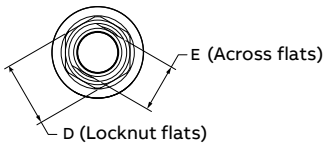
c UL us NSF COMPONENT

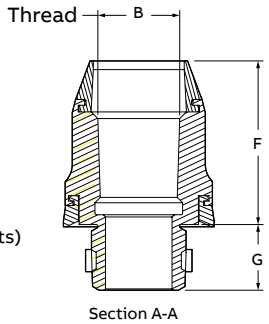
							Dimensions (in.)	
Cat. no.	**Trade size**	**A (NPT)**	**B (NPT)**	**C**	**D**	**E**	**F**	**G**
H050FGSST	½	½	½	1.181	0.945	0.709	1.571	0.583
H075FGSST	¾	¾	¾	1.417	1.378	0.984	1.701	0.598
H100FGSST	1	1	1	1.811	1.811	1.181	1.984	0.697
H125FGSST	1¼	1¼	1¼	2.126	2.165	1.535	2.165	0.724
H150FGSST	1½	1½	1½	2.480	2.362	1.772	2.256	0.724
H200FGSST	2	2	2	3.032	2.913	2.205	2.496	0.724

Diagrams









Note: Product must be installed in accordance with applicable national and local electrical codes.

Stainless steel conduit, fittings and accessories

Type 316 stainless steel dome drain

Conduit dome drain continuously drains accumulated moisture or small debris from electrical enclosures.

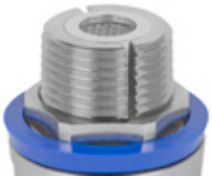
Features
- Compact body design and gasket makes the drain suitable for installation in tight spaces
- One-piece stainless steel construction helps ensure no metallic parts can be dislodged by cleaning practices
- No moving parts for long-lasting performance
- UL Type 4X rating, and is designed to meet IP56 requirements for wash-down areas
- Slots on thread body and locknut help provide a steady drain path
- Optional internal wire mesh screen filter (FBDR12SST-FLTR and FBDR34SST-FLTR)

Applications
- For use on electrical enclosures
- Food and beverage facilities

Material/finishes
- Type 316 stainless steel (corrosion resistant)
- TPE seal material (FDA compliant)

Conforms to
- UL listed, Type 4X
- NSF certified per NSF/ANSI standard 169 for food and beverage applications
- Tested to meet IP56 requirements

01 Dome drain



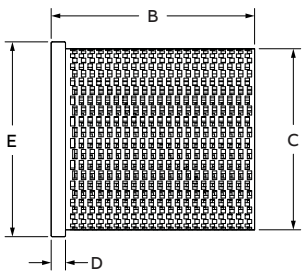
02 Dome drain with filter (-FLTR)

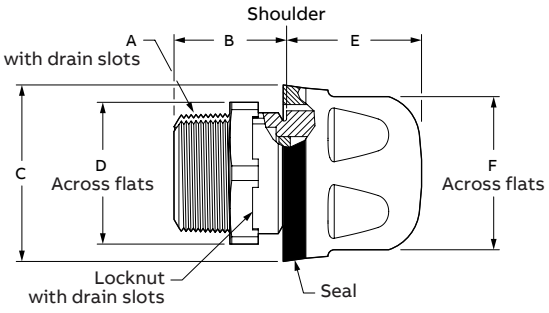
03 FBDRFLTR

TYPE 316 STAINLESS STEEL DOME DRAIN

					Dimensions (in.)	
Cat. no.	**A (NPT)**	**B**	**C**	**D**	**E**	**F**
FBDR12SST	½	0.781	1.224	0.984	0.937	1.063
FBDR12SST-FLTR	½	0.781	1.224	0.984	0.937	1.063
FBDR34SST	¾	0.793	1.614	1.181	1.098	1.417
FBDR34SST-FLTR	¾	0.793	1.614	1.181	1.098	1.417
FBDRFLTR	–	0.669	0.622	0.049	0.669	–

Diagrams





Note: Product must be installed in accordance with applicable national and local electrical codes.

Stainless steel conduit, fittings and accessories

Type 316 stainless steel form 8 conduit bodies – Now with smooth hygienic markings

Each conduit outlet body ships complete with gasket, cover and screws.

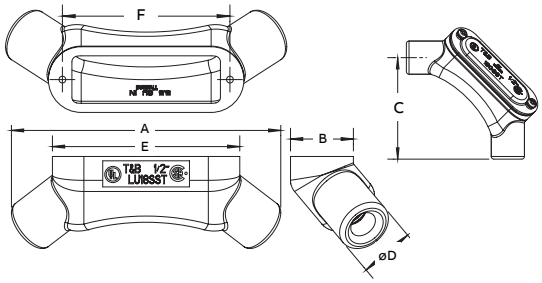
Listings/compliances

- UL Standard: 514A, 514B
- Fed. Spec: W-C-586D
- CSA Standard: C22.2 No. 18
- NEMA 4X

LU® FORM 8 CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	Cu. in.
LU18SST-TB	½	6.210	1.450	3.825	1.125	4.320	3.700	5.5
LU28SST-TB	¾	6.981	1.645	4.245	1.500	4.921	4.300	8.5
LU38SST-TB	1	8.261	1.850	5.050	1.700	5.625	5.000	14.5
LU48SST-TB	1¼	9.923	2.200	5.975	2.200	6.730	5.810	26.5
LU58SST-TB	1½	11.549	2.813	7.000	2.450	7.938	7.125	45.0
LU68SST-TB	2	13.989	3.820	8.500	2.900	9.797	9.125	116.5

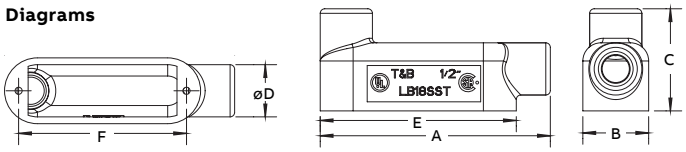
Diagrams



LB FORM 8 CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	Cu. in.
LB18SST-TB	½	5.070	1.450	2.250	1.150	4.320	3.700	5.8
LB28SST-TB	¾	5.671	1.645	2.530	1.400	4.921	4.300	8.0
LB38SST-TB	1	6.563	1.850	2.913	1.750	5.625	5.000	13.0
LB48SST-TB1	1¼	7.734	2.200	3.315	2.200	6.730	5.810	23.0
LB58SST-TB	1½	8.992	2.813	3.800	2.450	7.938	7.125	44.0
LB68SST-TB1	2	11.000	3.820	4.810	2.900	9.797	9.125	88.0
LB78SST-TB1	2½	13.920	5.080	5.960	3.460	12.350	11.500	200.0

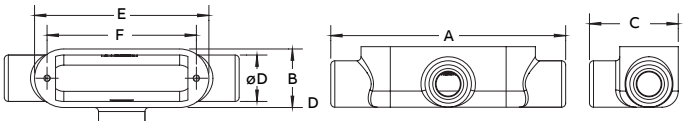
Diagrams



T FORM 8 CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	Cu. in.
T18SST-TB	½	5.820	1.450	2.200	1.150	4.320	3.700	5.5
T28SST-TB	¾	6.420	1.645	2.395	1.400	4.921	4.300	9.0
T38SST-TB	1	7.500	1.850	2.850	1.750	5.625	5.000	13.5
T48SST-TB	1¼	8.738	2.200	2.950	2.200	6.730	5.810	24.0
T58SST-TB1	1½	10.046	2.813	3.867	2.450	7.938	7.125	45.0
T68SST-TB1	2	12.204	3.820	5.070	2.900	9.797	9.125	88.0
T78SST-TB	2½	15.659	4.575	6.561	4.250	10.875	–	220

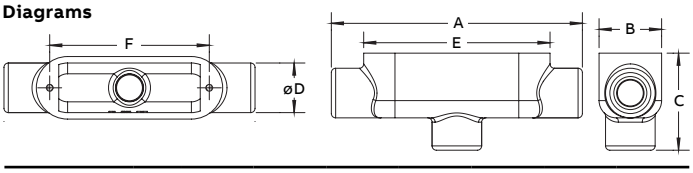
Diagrams



TB FORM 8 CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	Cu. in.
TB18SST-TB	½	5.820	1.450	2.250	1.150	4.320	3.700	5.5
TB28SST-TB	¾	6.420	1.645	2.530	1.400	4.921	4.300	9.0
TB38SST-TB	1	7.500	1.850	2.975	1.750	5.625	5.000	13.5
TB48SST-TB1	1¼	8.484	2.200	3.319	2.200	6.730	5.810	24.0
TB58SST-TB1	1½	10.046	2.813	3.854	2.450	7.938	7.125	45.0
TB68SST-TB1	2	12.129	3.820	4.810	2.900	9.797	9.125	88.0

Diagrams



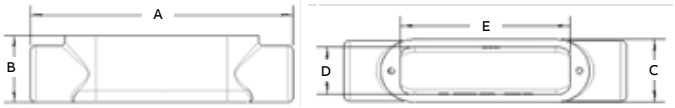
Stainless steel conduit, fittings and accessories

Type 316 stainless steel form 8 conduit bodies

C FORM 8 STAINLESS STEEL CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
C18SST-TB	½	5.936	1.5	1.452	1.152	3.28	5.8
C28SST-TB	¾	6.601	1.780	1.645	1.345	3.925	8.0
C38SST-TB	1	7.643	1.975	1.850	1.550	4.550	13.0

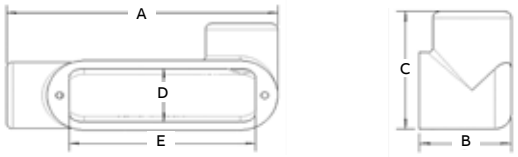
Diagrams



LR FORM 8 STAINLESS STEEL CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LR18SST-TB	½	5.137	1.50	2.20	1.152	3.28	5.8
LR28SST-TB	¾	5.761	1.780	2.4855	1.345	3.925	8.0
LR38SST-TB	1	6.634	1.975	2.859	1.550	4.550	13.0

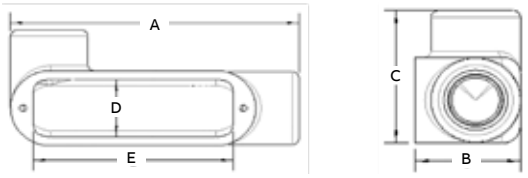
Diagrams



LL FORM 8 STAINLESS STEEL CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LL18SST-TB	½	5.087	1.50	2.20	1.152	3.28	5.8
LL28SST-TB	¾	5.704	1.780	2.4855	1.345	3.925	8.0
LL38SST-TB	1	6.634	1.975	2.859	1.550	4.550	13.0

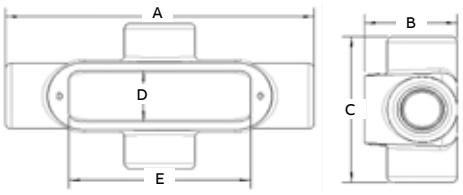
Diagrams



X FORM 8 STAINLESS STEEL CONDUIT BODIES WITH COVERS

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
X18SST-TB	½	5.958	1.775	3.094	1.15	3.28	5.5
X28SST-TB	¾	6.775	2.000	3.455	1.345	3.925	9.0
X38SST-TB	1	7.643	2.275	3.868	1.500	4.550	13.5

Diagrams



Stainless steel conduit, fittings and accessories

Type 316 stainless steel cast device boxes

Application
- Accommodate wiring devices
- Act as pull boxes for conductors in a threaded rigid conduit system, including an internal ground screw
- Provide openings to make splices and taps in conductors
- Provide access to conductors for maintenance and future system changes
- Connect conduit sections

Features
- All hubs have NPT threads with a minimum of five full threads and integral bushing
- Internal grounding screw standard on boxes
- Suitable for wet locations when used with gasketed covers
- All cover holes are #6–32

Materials
- Bodies/covers: 316 stainless steel
- Gaskets: Neoprene
- Finish: Polished 316 stainless steel

Listings/compliances
- UL 514A (wet locations when used with gasketed covers)
- CSA C22.2 No. 18

TYPE 316 STAINLESS STEEL DEEP SINGLE-GANG DEVICE BOXES

				Dimensions (in.)		
Cat. no.	Fig.	Hub size (in)	Outside depth	B	C	D
FD2SST	A	¾	2.90	3.09	4.54	0.78
FDA2SST	B	¾	2.90	3.09	4.54	0.78
FDC2SST	C	¾	2.90	3.09	4.54	0.78
FDS2SST	D	¾	2.90	3.09	4.54	0.78
FDX2SST	E	¾	2.90	3.09	4.54	0.78

Diagrams

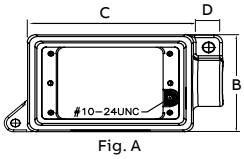


Fig. A

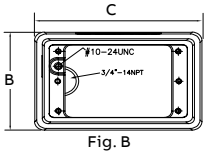


Fig. B

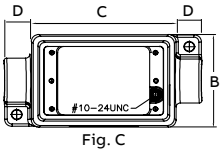


Fig. C

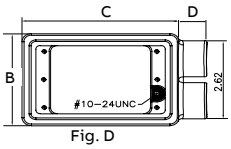


Fig. D

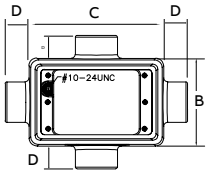
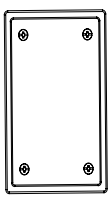


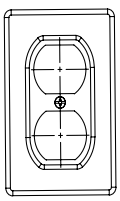
Fig. E

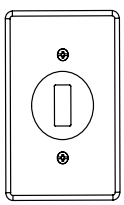
TYPE 316 STAINLESS STEEL SINGLE-GANG COVERS

Cat. no.	Description
FBCS2SST	Blank, sheet stainless steel
FBCM2SST	Blank, cast stainless steel
RCS2SST	Duplex receptacle, stainless steel
SWCS2SST	Single switch, stainless steel

Diagrams







06

Straps, spacers and clamps

Straps, spacers and clamps

Conduit straps

1275 series
1275ALseries

For rigid metal conduit and intermediate metal conduit.

Application
- To support and securely fasten rigid metal conduit and intermediate metal conduit to the supporting surface

Features
- Rugged malleable iron/aluminum construction – snugly fits on the conduit
- Designed to prevent accumulation of moisture and start of corrosion on vertical run of conduit (A)
- Galvanized finish 1275 series
- Aluminum 1275AL series

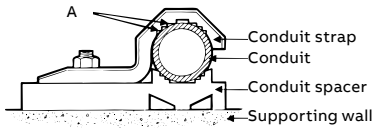
Standard material
- 1275 series: Malleable Iron
- 1275AL series: Aluminum

Standard finish
- 1275 Series: electro-galvanized
  1275AL Series: As cast

Range
- 1275 series: ⅜" through 6" conduit
- 1275AL series: ⅜" through 4" conduit

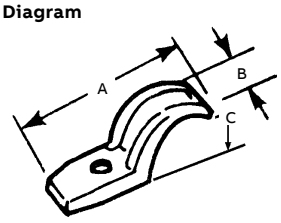
Listings/compliances
- CSA (LR-2884, LR-4484)
- CSA C22.2 No. 18
- NFPA 70

Diagram



- Designed for snug fit on each size of conduit
- High reinforcing ribs on each side increase strength and reduce weight
- Available in malleable iron with electro-galvanized finish or in aluminum

PIPE STRAPS – MALLEABLE IRON OR ALUMINUM

Diagram	Cat. no. Mal. iron	Cat. no. Alum.	Conduit size (in.)	Dimensions (in.) A	B	C	Screw size
	1275†	1275AL	⅜	1 7/8	11/16	¾	#12
	1276†	1276AL†	½	2 5/32	21/32	1 1/32	¼"
	1277†	1277AL†	¾	2 9/16	11/16	1 7/32	¼"
	1278†	1278AL†	1	3	¾	1 17/32	¼"
	1279-TB†	1279AL†	1¼	3¾	13/16	1 7/8	5/16"
	1280†	1280AL	1½	4 3/16	15/16	2 1/8	⅜"
	1281	1281AL	2	5 3/16	1 1/8	2 17/64	7/16"
	1282*	1282AL	2½	5 15/16	1½	2¾	½"
	1283*	1283AL	3	6 11/16	1⅝	3 11/32	½"
	1284	1284AL	3½	7 19/32	1¾	3 29/32	⅝"
	1285*	1285AL	4	8 5/16	1⅞	4 13/32	⅝"
	1287	–	5	9 15/16	2	5 15/32	⅝"
	1288	–	6	11½	2 7/16	6 17/32	⅝"

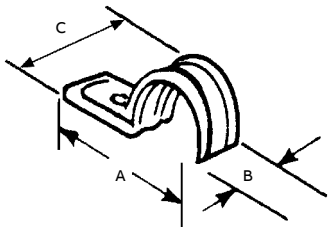
*May be used with EMT of same size.
† Not snap-on type.
UL not applicable.
CSA File No. 2884

Straps, spacers and clamps

Conduit straps

- Elongated bolt hole makes alignment easy, even when mounting-surface holes are off center
- Snap-on design (except for ⅜" size)
- Rugged steel construction

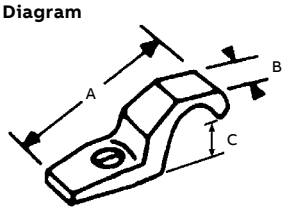
PIPE STRAPS – STEEL

Diagram	Cat. no.	Conduit size (in.)	Dimensions (in.) A	B	C	Screw size (in.)
	1210-TB†	3/8	1 15/32	3/4	11/16	1/4
	1211-TB	1/2	2	3/4	15/16	1/4
	1212-TB	3/4	2 5/16	3 3/4	1	1/4
	1213-TB	1	3 13/16	3/4	1 17/64	1/4
	1214TB	1 1/4	2 31/32	1 9/16	1 9/16	3/8
	1215TB	1 1/2	3 23/32	1 13/16	1 13/16	3/8
	1216-TB	2	4 7/16	2 5/16	2 5/16	3/8

† Not snap-on type.
UL not applicable.
CSA File No. 2884

- PVC coating offers high corrosion resistance
- Designed to fit each size of conduit snugly
- High reinforcing ribs on each side increase strength and reduce weight
- Malleable iron construction

PVC-COATED STRAPS FOR RIGID CONDUIT

Diagram	Cat. no.	Conduit size (in.)	Bolt size (in.)	Dimensions (in.) A	B	C
	1275CR	3/8	1/4	1 7/8	11/16	3/4
	1276CR	1/2	1/4	2 5/32	21/32	1 1/32
	1277CR	3/4	1/4	2 9/16	11/16	1 7/32
	1278CR	1	1/4	3	3/4	1 17/32
	1279CR	1 1/4	3/8	3 3/4	13/16	1 7/8
	1280CR	1 1/2	3/8	4 3/16	15/16	2 1/8
	1281CR	2	1/2	5 3/16	1 1/8	2 17/64

UL not applicable.

Straps, spacers and clamps

Beam clamps and supports

- Adjustable design fits a wide range of flange sizes
- Includes bolts
- Steel construction

- Fits any flange, tapered or straight, up to ⅝" thick
- For use with standard rigid conduit, EMT or IMC
- Broad hook holds conduit at any desired angle
- Malleable iron construction

ADJUSTABLE BEAM CLAMPS

Cat. no.	Description
703	Special bolt and (3) nuts

CSA File No. 2884.

CONDUIT SUPPORTS

Cat. no.	Conduit size (in.)
690-TB	½
691-TB	¾
692-TB	1
693-TB	1¼

CSA File No. 2884

Straps, spacers and clamps

Conduit spacers

01 1350

02 1351–1353

Conduit spacers
For rigid metal conduit, intermediate metal conduit and electrical metallic tubing.

Application
- Provides mounting surface for conduit where installation requires air space between conduit and supporting surface

Features
- Prevents conduit rusting from wall condensation
- Spacers can be stacked one atop the other, facilitating installation and eliminating expensive conduit offsetting (A)
- Designed to cover wide range; marked with accurate size marking for proper positioning (B)
- Electro-zinc plated finish on 1350 series
- Copper-free aluminum alloy, 1350AL series

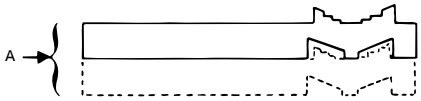
Standard material
- 1350 series: Malleable iron
- 1350AL series: Copper-free aluminum

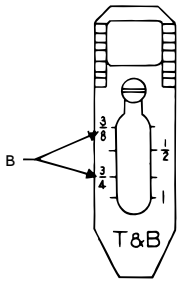
Standard finish
- 1350 series: Electro-zinc plated
- 1350AL series: As cast

Range
- ½" through 4" conduit

Listings/compliances
- CSA (LR-2884, LR-4484, LR-4484)
- CSA C22.2 No. 18
- NFPA 70

Diagrams



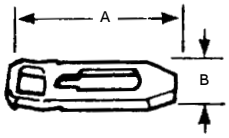


Straps, spacers and clamps

Conduit spacers

- Eliminates the need for costly offset-bending conduit and the possibility of corrosive moisture traps when conduit is mounted directly to a surface
- Used with ABB conduit straps to provide space between conduit and mounting surface
- Premountable and stackable to eliminate offsetting
- Malleable iron construction with electro-zinc plated finish

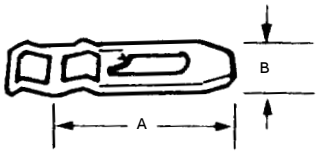
PIPE SPACERS

	Cat. no.		Conduit size (in.)	Screw size	Dimensions (in.)	
	Mal. iron	Alum.			A	B
Diagram	1350	1350AL	½, ¾, 1	#7	3	7/8
	1351	1351AL	1¼, 1½, 2	#12	5	1 3/16
	1352	1352AL	2½–3	#12	9 9/16	1¾
	1353	1353AL	3½–4	#14	7 9/16	2

Conforms to NEC® Sect. 300-5-c. UL not applicable. CSA File Nos. 2884 and 4484.

- Prevents conduit rusting from wall condensation
- Eliminates the need for offset-bending of conduit
- Can be stacked for offsets on wall or into outlet box
- Corrosion-resistant, PVC-coated malleable iron construction

PIPE SPACERS – PVC-COATED

	Cat. no.	Conduit size (in.)	Screw size	Dimensions (in.)	
				A	B
Diagram	1350CR	½, ¾, 1	#7	3	7/8
	1351CR	1¼, 1½, 2	#12	5	3/8

UL not applicable. Conforms to NEC Sect. 300-5-c.

The T&B® Fittings LU® universal conduit body can replace LB, LL, LR, L and inspection C conduit bodies to help you cut your inventory costs.

07

Conduit bodies and covers

Conduit bodies and covers

Overview

Application

Conduit bodies are installed in conduit systems to:

- Connect conduit sections
- Act as pull outlets when conductors are being installed
- Provide easy access for splices in branch conductors
- Make 90° bends in conduit runs
- Provide access to conductors for maintenance and future system changes

Features

- Standard features include tapered (NPT) threads and integral bushings to protect wire insulation
- T&B Fittings form 7 bodies and covers are interchangeable with other manufacturers' form 7 bodies and covers
- T&B Fittings form 8 bodies and covers are interchangeable with other manufacturers' Form 8 bodies and covers
- T&B Fittings form 9 bodies and covers are interchangeable with other manufacturers' Form 9 bodies and covers (Mark 9 , FM 9)
- T&B Fittings form 7 and form 8 cast iron bodies feature BlueKote® internal coating for easier wire pulling
- Form 9 aluminum sand-cast copper-free aluminum alloy
- T&B Fittings series 35 bodies and covers are interchangeable with other manufacturers' 35/5 series iron and steel bodies and covers
- Form 8 stainless steel conduit bodies are mirror polished with exceptionally smooth hygienic markings, making them easier and faster to clean
- Form 7 sand cast aluminum is made with a special aluminum alloy, providing superior corrosion resistance as cast; no protective coatings needed
- Special sand cast aluminum alloy makes these conduit bodies ideal for use in food and beverage, pharmaceutical, chemical processing and other corrosive environments
- All form 7 and form 8 covers include gaskets

Materials

- Form 7 and form 8 iron conduit bodies: Sand-cast class 30 gray iron alloy
- Series 35: Malleable iron
- Form 9 aluminum: Sand-cast copper-free aluminum alloy
- Stainless steel conduit bodies: Type 316 stainless steel
- Form 7 aluminum: Sand-cast CorroStall™ aluminum alloy
- Covers: Sand-cast gray iron alloy and stamped sheet steel with steel-stainless steel screws
- Stainless steel covers: Stamped type 316 stainless steel with stainless steel screws
- Gaskets: Neoprene
- Aluminum covers: Sand-cast CorroStall aluminum alloy or sheet aluminum with stainless steel screws, aluminum clips and stainless steel and neoprene O-ring washer
- Red Dot® conduit bodies: Die-cast aluminum, copper-free

Finish

- Form 7, form 8 and series 35 iron conduit bodies: Zinc-plating with aluminum acrylic coating
- Form 7 and form 8 iron bodies: Internal PTFE-based BlueKote coating
- Covers: Gray iron zinc-plating with aluminum acrylic coating, and stamped steel zinc-plating with clear chromate coating; form 7 and form 8 covers include neoprene gasket
- Form 9 aluminum covers: Stamped copper-free aluminum sheet with stainless steel screws
- Stainless steel bodies and covers: Polished
- Aluminum bodies and covers: As cast/natural
- Red Dot® conduit bodies: Aluminum lacquer

Listings/compliances

- UL Standard: 514A, 514B
- Fed. Spec: W-C-586D
- CSA Standard: C22.2 No. 18
- NEMA 4X (stainless steel conduit bodies)

Conduit bodies and covers

Quick reference

CONDUIT BODIES QUICK REFERENCE

Shape	Type	Hub size (in.) ½	¾	1	1¼	1½	2	2½	3	3½	4	See page
LB	BlueKote® Form 7	LB17	LB27	LB37	LB47	LB57	LB67	LB77	LB87	LB97	LB107	88
	BlueKote Form 8*	LB18	LB28	LB38	LB448	LB58	LB68	LB78	LB888	LB98	LB108	93
	Series 35	LB50M	LB75M-TB	LB100M	LB125M	LB150M	LB200M	LB250M	LB300M	LB350M	LB400M	97
	Sand-cast aluminum Form 7	LB17SA	LB27SA	LB37SA	LB47SA	LB57SA	LB67SA	LB77SA	LB87SA	LB97SA	LB107SA	91
	Sand-cast aluminum Form 9	LB19SA	LB29SA	LB39SA	LB49SA	LB59SA	LB69SA	LB789SA	LB889SA	LB989SA	LB1089SA	95
	Die cast aluminum	ALB-1	ALB-2	ALB-3	ALB-4	ALB-5	ALB-6	ALB-7	ALB-8	ALB-9	ALB-10	99
	Stainless steel Form 8**	LB18SST-TB	LB28SST-TB	LB38SST-TB	LB48SST-TB1	LB58SST-TB	LB68SST-TB1	LB78SST-TB1	–	–	–	69
LU	BlueKote Form 7	LU17	LU27	LU37	LU47	LU57	LU67	–	–	–	–	88
	BlueKote Form 8	LU18	LU28	LU38	LU448	LU58	LU68	–	–	–	–	93
	Sand-cast aluminum Form 7	LU17SA	LU27SA	LU37SA	LU47SA	LU57SA	LU67SA	–	–	–	–	92
	Sand-cast aluminum Form 9	LU19SA	LU29SA	LU39SA	LU49SA	LU59SA	LU69SA	–	–	–	–	96
	Stainless steel Form 8**	LU18SST-TB	LU28SST-TB	LU38SST-TB	LU48SST-TB	LU58SST-TB	LU68SST-TB	–	–	–	–	69
T	BlueKote Form 7	T17	T27	T37	T47	T57	T67	T77	T87	T97	T107	88
	BlueKote Form 8*	T18	T28	T38-TB	T448	T58	T68	T78	T88-TB	–	–	93
	Series 35	T50M	T75M	T100M	T125M	T150M	T200M	T250M	T300M	T350M	T400M	97
	Sand-cast aluminum Form 7	T17SA	T27SA	T37SA	T47SA	T57SA	T67SA	T77SA	T87SA	T97SA	T107SA	92
	Sand-cast aluminum Form 9	T19SA	T29SA	T39SA	T49SA	T59SA	T69SA	T789SA	T889SA	T989SA	T1089SA	96
	Die cast aluminum	AT-1	AT-2	AT-3	AT-4	AT-5	AT-6	AT-7	AT-8	AT-9	AT-10	101
	Stainless steel form 8**	T18SST-TB	T28SST-TB	T38SST-TB	T48SST-TB	T58SST-TB1	T68SST-TB1	T78SST-TB	–	–	–	69
C	BlueKote Form 7	C17	C27	C37	C47	C57	C67	C77-TB	C87	–	–	88
	BlueKote Form 8*	C18	C28	C38	C448	C58-TB	C68	C78	C88	–	–	93
	Series 35	C50M	C75M-TB	C100M	C125M	C150M	C200M	C250M-TB	C300M	C350M	C400M	98
	Sand-cast aluminum Form 7	C17SA	C27SA	C37SA	C47SA	C57SA	C67SA	–	–	–	–	91
	Sand-cast aluminum Form 9	C19SA	C29SA	C39SA	C49SA	C59SA	C69SA	C789SA	C889SA	C989SA	C1089SA	95
	Die cast aluminum	AC-1-RD	AC-2-RD	AC-3	AC-4-RD	AC-5	AC-6-RD	AC-7	AC-8	AC-9	AC-10-RD	99
	Stainless steel Form 8**	C18SST-TB	C28SST-TB	C38SST-TB	–	–	–	–	–	–	–	70
LL	BlueKote Form 7	LL17	LL27	LL37	LL47	LL57	LL67	LL77	LL87	LL97	LL107	89
	BlueKote Form 8*	LL18	LL28	LL38	LL448	LL58	LL68	LL78	LL888	–	–	94
	Series 35	LL50M	LL75M	LL100M	LL125M	LL150M	LL200M	LL250M	LL300M	LL350M	LL400M	97
	Sand-cast aluminum Form 7	LL17SA	LL27SA	LL37SA	LL47SA	LL57SA	LL67SA	–	–	–	–	91
	Sand-cast aluminum Form 9	LL19SA	LL29SA	LL39SA	LL49SA	LL59SA	LL69SA	LL789SA	LL889SA	LL989SA	LL1089SA	95
	Die cast aluminum	ALL-1	ALL-2	ALL-3	ALL-4	ALL-5	ALL-6	ALL-7	ALL-8	ALL-9	ALL-10	100
	Stainless steel Form 8**	LL18SST-TB	LL28SST-TB	LL38SST-TB	–	–	–	–	–	–	–	70

* ½" through 1¼" have (2) mounting holes; 1½" through 4" have (4) mounting holes
** With covers, gaskets and screws

Conduit bodies and covers

Quick reference

CONDUIT BODIES QUICK REFERENCE (CONTINUED)

	Shape	Type	Hub size (in.) ½	¾	1	1¼	1½	2	2½	3	3½	4	See page
	LR	BlueKote® Form 7	LR17	LR27	LR37	LR47	LR57	LR67	LR77	LR87	LR97	LR107	89
		BlueKote Form 8*	LR18	LR28	LR38	LR448	LR58	LR68	LR78	LR888	–	–	94
		Series 35	LR50M	LR75M	LR100M	LR125M	LR150M	LR200M	LR250M	LR300M	LR350M-TB	LR400M	97
		Sand-cast aluminum Form 7	LR17SA	LR27SA	LR37SA	LR47SA	LR57SA	LR67SA	–	–	–	–	91
		Sand-cast aluminum Form 9	LR19SA	LR29SA	LR39SA	LR49SA	LR59SA	LR69SA	LR789SA	LR889SA	LR989SA	LR1089SA	95
		Die cast aluminum	ALR-1	ALR-2	ALR-3	ALR-4	ALR-5	ALR-6	ALR-7	ALR-8	ALR-9	ALR-10	100
		Stainless steel Form 8**	LR18SST-TB	LR28SST-TB	LR38SST-TB	–	–	–	–	–	–	–	70
	L	Die cast aluminum	ALRL-1	ALRL-2	ALRL-3	–	–	–	–	–	–	–	101
	TB	BlueKote Form 7	TB17-TB	TB27	TB37	TB47	TB57	TB67	–	–	–	–	89
		BlueKote Form 8*	TB18	TB28	TB38	TB448	TB58	TB68	–	–	–	–	94
		Series 35	TB50M	TB75M	TB100M	TB125M	TB150M	TB200M	–	–	–	–	98
		Sand-cast aluminum Form 7	TB17SA	TB27SA	TB37SA	TB47SA	TB57SA	TB67SA	–	–	–	–	92
		Sand-cast aluminum Form 9	TB19SA	TB29SA	TB39SA	TB49SA	TB59SA	TB69SA	–	–	–	–	96
		Stainless steel Form 8**	TB18SST-TB	TB28SST-TB	TB38SST-TB	TB48SST-TB1	TB58SST-TB1	TB68SST-TB1	–	–	–	–	69
	X	BlueKote Form 7	X17	X27	X37	X47	X57	X67	–	–	–	–	90
		BlueKote Form 8*	X18	X28	X38	X448	X58	X68	–	–	–	–	94
		Series 35	X50M	X75M	X100M	X125M	X150M	X200M	–	–	–	–	98
		Sand-cast aluminum Form 7	X17SA	X27SA	X37SA	X47SA	X57SA	X67SA	–	–	–	–	92
		Sand-cast aluminum Form 9	X19SA	X29SA	X39SA	–	–	–	–	–	–	–	96
		Stainless steel Form 8**	X18SST-TB	X28SST-TB	X38SST-TB	–	–	–	–	–	–	–	70
	TA	BlueKote Form 7	TA17	TA27	TA37	TA47	TA57	TA67	–	–	–	–	89

* ½" through 1¼" have (2) mounting holes; 1½" through 4" have (4) mounting holes
** With covers, gaskets and screws

Conduit bodies and covers

Covers and gaskets

REPLACEMENT COVERS AND GASKETS

	For conduit body	Hub size (in.) ½	¾	1	1¼	1½	2	2½	3	3½	4
Stamped	Form 7 steel*	170S	270S	370S	470S	570S	670S	870S	870S	970S	970S
	Form 8 steel*	180	280	380	480	580	680STB	880	880	980	980
	Series 35	K50S	K75S	K100S	K125S	K125S	K200S	K250S	K250S	K350S	K350S
	Form 7 aluminum*	170SA	270SA	370SA	470SA	570SA	670SA	870SA	870SA	970SA	970SA
	Form 9 aluminum	190SA**	290SA**	390SA**	490SA**	590SA**	690SA**	889SA	889SA	989SA	989SA
	Die cast aluminum	SCV-1	SCV-2	SCV-3	SCV-4	SCV-4	SCV-5	SCV-6	SCV-6	SCV-7	SCV-7
	Form 8 stainless steel	180SST	280SST	380SST	480SST	580SST	680SST	–	–	–	–

* Form 7 and Form 8 covers include gasket.
** For Form 9 aluminum cover including gasket, replace suffix SA with GSA (Example : 190GSA)

	For conduit body	Hub size (in.) ½	¾	1	1¼	1½	2	2½	3	3½	4
Sand cast	Form 7 iron*	170F	270F	370F	470F	570F	670F	870F	870F	970F	970F
	Form 8 iron*	180F	280F	380F	480F	580F	680F	880F	880F	980F	980F
	Form 7 aluminum*	170FSA	270FSA	370FSA	470FSA	570FSA	670FSA	870FSA	870FSA	970FSA	970FSA
	Series 35	K50M	K75M	K100M	K125M	K125M	K200M	K250M	K250M	K350M	K350M

* Form 7 and Form 8 covers include gasket.

	Shape	Hub size (in.) ½	¾	1	1¼	1½	2	2½	3	3½	4
Gasket	Form 7*	GASK571	GASK572	GASK573	GASK574	GASK575	GASK576	GASK578	GASK578	GASK579	GASK579
	Form 8*	GASK581N	GASK582N	GASK583N	GASK584N	GASK585N	GASK586N	GASK588N	GASK588N	GASK589N	GASK589N
	Form 9*	GASK1941	GASK1942	GASK1943	GASK1944	GASK1945	GASK1946	GASK808N	GASK808N	GASK809N	GASK809N
	Series 35	GK50N	GK75N	GK100N	GK125-150N	GK125-150N	GK200N	GK250-300N	GK250-300N	GK350-400N	GK350-400N
	Red Dot®	GKN-1	GKN-2	GKN-3	GKN-4	GKN-4	GKN-5	GKN-6	GKN-6	GKN-7	GKN-7

* For ordering purposes, please use GASK in the catalog number (Example: GASK571).

Conduit bodies and covers

Pre-assembled Form 7 BlueKote®

Pre-assembled Form 7 BlueKote conduit bodies
Form 7 body, gasket and cover – one number. Now you can order a conduit body, gasket and cover, pre-assembled, using one catalog number. ABB's pre-assembled cast conduit bodies help reduce transactions, eliminate the need for additional stocking bins and provide an easy inventory reduction. You'll also have less hassle with managing small parts in the truck or crib. Best of all, you can be absolutely confident that the right parts are in your hands when you need them.

T&B® Fittings conduit bodies and covers feature:
- BlueKote® internal finish for faster, easier wire pulling
- Epoxy external finish for superior corrosion resistance
- Tapered NPT threads and integral bushings to protect wire insulation
- Bodies are designed with a flat back for more cubic inch capacity; the flat back also keeps the body more stable during installation, requiring fewer conduit straps
- T&B Fittings Form 7 bodies and covers are interchangeable with Crouse-Hinds and Appleton's Form 7 bodies and covers

Specifications
- Bodies: Class 30 gray iron alloy
- Covers: Stamped steel with stainless steel screws
- Gaskets: Neoprene
- Finish: Conduit bodies – Zinc-plating with acrylic epoxy coating and internal PTFE-based BlueKote coating; Covers – Zinc-plating with clear chromate coating
- Compliances: UL Standard: 514A, 514B Fed. Spec: W-C-586D
- CSA Standard: C22.2 No. 18

T&B FITTINGS PRE-ASSEMBLED CONDUIT BODIES, GASKETS AND COVERS

Cat. no.	Trade size (in.)	Pre-assembled products
C17CG-TB	½	C17 body, cover and gasket
C27CG-TB	¾	C27 body, cover and gasket
C37CG-TB	1	C37 body, cover and gasket
C47CG-TB	1¼	C47 body, cover and gasket
C57CG-TB	1½	C57 body, cover and gasket
C67CG-TB	2	C67 body, cover and gasket
LB17CG-TB	½	LB17 body, cover and gasket
LB27CG-TB	¾	LB27 body, cover and gasket
LB37CG-TB	1	LB37 body, cover and gasket
LB47CG-TB	1¼	LB47 body, cover and gasket
LB57CG-TB	1½	LB57 body, cover and gasket
LB67CG-TB	2	LB67 body, cover and gasket
LL17CG-TB	½	LL17 body, cover and gasket
LL27CG-TB	¾	LL27 body, cover and gasket
LL37CG-TB	1	LL37 body, cover and gasket
LL47CG-TB	1¼	LL47 body, cover and gasket
LL57CG-TB	1½	LL57 body, cover and gasket
LL67CG-TB	2	LL67 body, cover and gasket
LR17CG-TB	½	LR17 body, cover and gasket
LR27CG-TB	¾	LR27 body, cover and gasket
LR37CG-TB	1	LR37 body, cover and gasket
LR47CG-TB	1¼	LR47 body, cover and gasket
LR57CG-TB	1½	LR57 body, cover and gasket
LR67CG-TB	2	LR67 body, cover and gasket
T17CG-TB	½	T17 body, cover and gasket
T27CG-TB	¾	T27 body, cover and gasket
T37CG-TB	1	T37 body, cover and gasket
T47CG-TB	1¼	T47 body, cover and gasket
T57CG-TB	1½	T57 body, cover and gasket
T67CG-TB	2	T67 body, cover and gasket
TB17CG-TB	½	TB17 body, cover and gasket
TB27CG-TB	¾	TB27 body, cover and gasket
TB37CG-TB	1	TB37 body, cover and gasket
TB47CG-TB	1¼	TB47 body, cover and gasket
TB57CG-TB	1½	TB57 body, cover and gasket
TB67CG-TB	2	TB67 body, cover and gasket
X17CG-TB	½	X17 body, cover and gasket
X27CG-TB	¾	X27 body, cover and gasket
X37CG-TB	1	X37 body, cover and gasket
X47CG-TB	1¼	X47 body, cover and gasket
X57CG-TB	1½	X57 body, cover and gasket
X67CG-TB	2	X67 body, cover and gasket

For aluminum conduit bodies pre-assembled with covers and gaskets, request Red Dot® D-PAK® series conduit bodies for rigid and IMC conduit.

Conduit bodies and covers

Pre-assembled Series 35

Pre-assembled Series 35 conduit bodies

Seires 35 body, gasket and cover – one number. Now you can order a conduit body, gasket and cover, pre-assembled, using one catalog number. ABB's pre-assembled cast conduit bodies help reduce transactions, eliminate the need for additional stocking bins and provide an easy inventory reduction. You'll also have less hassle with managing small parts in the truck or crib. Best of all, you can be absolutely confident that the right parts are in your hands when you need them.

T&B® Fittings conduit bodies and covers feature:

- Tapered NPT threads and integral bushings to protect wire insulation
- T&B Fittings Series 35 bodies and covers are interchangeable with other manufacturers' 35/5 series iron bodies and covers
- Clear UL, CSA, cULus and cubic content markings help speed approval by inspectors

Materials

- Body: Iron, electro zinc plated
- Covers: Stamped steel zinc-plated
- Gasket: Neoprene
- Screws: Stainless steel

Listings/compliances

- UL Standard: 514A
- Fed. Spec: W-C-586D
- CSA Standard: C22.2 No. 18

T&B FITTINGS PRE-ASSEMBLED CONDUIT BODIES, GASKETS AND COVERS

Cat. no.	Trade size (in.)	Pre-assembled products
C50MCG	½	C50M body, cover and gasket
C75MCG	¾	C75M body, cover and gasket
C100MCG	1	C100M body, cover and gasket
C125MCG	1¼	C125M body, cover and gasket
C150MCG	1½	C150M body, cover and gasket
C200MCG	2	C200M body, cover and gasket
LB50MCG	½	LB50M body, cover and gasket
LB75MCG	¾	LB75M body, cover and gasket
LB100MCG	1	LB100M body, cover and gasket
LB125MCG	1¼	LB125M body, cover and gasket
LB150MCG	1½	LB150M body, cover and gasket
LB200MCG	2	LB200M body, cover and gasket
LL50MCG	½	LL50M body, cover and gasket
LL75MCG	¾	LL75M body, cover and gasket
LL100MCG	1	LL100M body, cover and gasket
LL125MCG	1¼	LL125M body, cover and gasket
LL150MCG	1½	LL150M body, cover and gasket
LL200MCG	2	LL200M body, cover and gasket
LR50MCG	½	LR50M body, cover and gasket
LR75MCG	¾	LR75M body, cover and gasket
LR100MCG	1	LR100M body, cover and gasket
LR125MCG	1¼	LR125M body, cover and gasket
LR150MCG	1½	LR150M body, cover and gasket
LR200MCG	2	LR200M body, cover and gasket
T50MCG	½	T50M body, cover and gasket
T75MCG	¾	T75M body, cover and gasket
T100MCG	1	T100M body, cover and gasket
T125MCG	1¼	T125M body, cover and gasket
T150MCG	1½	T150M body, cover and gasket
T200MCG	2	T200M body, cover and gasket
TB50MCG	½	TB50M body, cover and gasket
TB75MCG	¾	TB75M body, cover and gasket
TB100MCG	1	TB100M body, cover and gasket
TB125MCG	1¼	TB125M body, cover and gasket
TB150MCG	1½	TB150M body, cover and gasket
TB200MCG	2	TB200M body, cover and gasket
X50MCG	½	X50M body, cover and gasket
X75MCG	¾	X75M body, cover and gasket
X100MCG	1	X100M body, cover and gasket
X125MCG	1¼	X125M body, cover and gasket
X150MCG	1½	X150M body, cover and gasket
X200MCG	2	X200M body, cover and gasket

Conduit bodies and covers

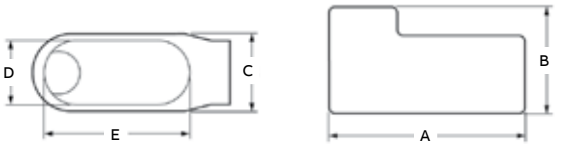
BlueKote® Form 7

BlueKote internal finish reduces the amount of force necessary to pull wires through T&B Form 7 and Form 8 conduit bodies.

LB FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LB17	½	4.60	2.20	1.35	.95	3.20	4.0
LB27	¾	5.25	2.40	1.65	1.15	3.80	6.6
LB37	1	6.00	2.65	1.80	1.35	4.55	10.6
LB47	1¼	6.45	3.20	2.20	1.80	5.00	18.8
LB57	1½	7.25	3.90	2.45	2.05	5.45	26.4
LB67	2	8.30	4.45	3.10	2.45	6.40	51.0
LB77	2½	10.55	5.20	4.25	3.60	8.40	102.0
LB87	3	10.55	5.95	4.25	3.60	8.40	132.0
LB97	3½	12.85	6.70	5.25	4.55	10.25	210.0
LB107	4	12.85	7.20	5.25	4.55	10.25	243.0

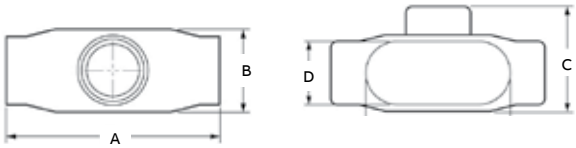
Diagrams



T FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
T17	½	5.60	1.80	2.35	.95	3.20	6.0
T27	¾	6.20	2.00	2.60	1.15	3.80	9.1
T37	1	7.35	2.30	3.10	1.35	4.55	16.9
T47	1¼	7.30	2.30	3.05	1.80	5.00	19.3
T57	1½	8.60	2.60	3.80	2.05	5.45	27.5
T67	2	9.50	3.20	4.25	2.45	6.40	50.0
T77	2½	12.10	3.65	5.80	3.60	8.40	102.0
T87	3	12.10	4.40	5.80	3.60	8.40	132.0
T97	3½	14.65	4.90	7.05	4.55	10.25	210.0
T107	4	14.65	5.40	7.05	4.55	10.25	243.0

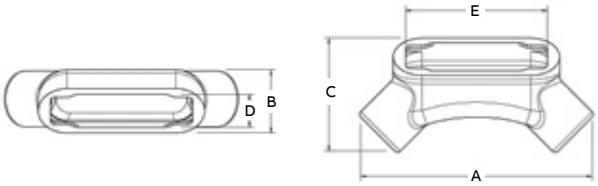
Diagrams



LU® FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LU17	½	5.54	1.45	2.72	.95	3.20	4.8
LU27	¾	6.22	1.70	3.07	1.15	3.80	7.6
LU37	1	7.34	1.97	3.52	1.35	4.55	13.4
LU47	1¼	8.40	2.47	4.21	1.80	5.00	23.0
LU57	1½	8.95	2.72	4.44	2.05	5.45	28.3
LU67	2	10.61	3.43	5.43	2.45	6.40	56.0

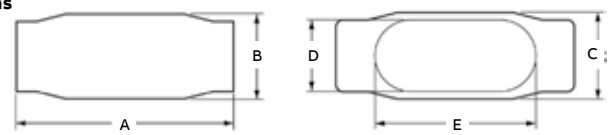
Diagrams



C FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
C17	½	5.45	1.40	1.45	.95	3.20	4.0
C27	¾	6.05	1.60	1.65	1.15	3.80	6.6
C37	1	6.75	1.90	1.80	1.35	4.55	10.6
C47	1¼	7.30	2.30	2.20	1.80	5.00	18.8
C57	1½	8.60	2.60	2.45	2.05	5.45	26.4
C67	2	9.50	3.20	3.05	2.45	6.40	51.0
C77-TB	2½	12.10	3.65	4.25	3.60	8.40	102.0
C87	3	12.10	4.40	4.25	3.60	8.40	132.0

Diagrams



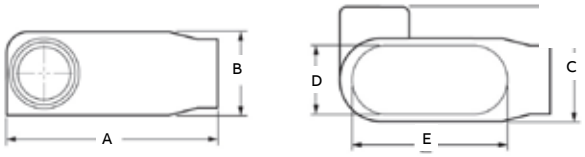
Conduit bodies and covers

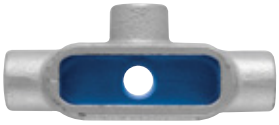
BlueKote® Form 7

LL FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LL17	½	4.60	1.40	1.45	.95	3.20	4.0
LL27	¾	5.25	1.60	1.65	1.15	3.80	6.6
LL37	1	6.00	1.90	2.60	1.35	4.55	10.6
LL47	1¼	6.45	2.30	3.05	1.80	5.00	18.6
LL57	1½	7.90	2.60	3.80	2.05	5.45	26.4
LL67	2	8.30	3.20	4.25	2.45	6.40	51.0
LL77	2½	10.55	3.65	5.80	3.60	8.40	102.0
LL87	3	10.55	4.40	5.80	3.60	8.40	132.0
LL97	3½	12.85	4.90	7.03	4.55	10.25	210.0
LL107	4	12.85	5.40	7.03	4.55	10.25	243.0

Diagrams

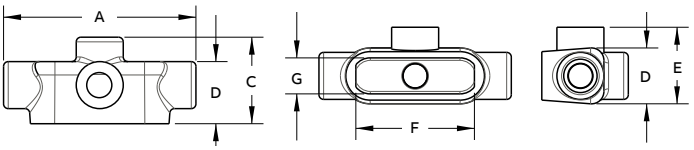




TA FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	G
TA17	½	5.57	1.80	2.57	1.62	2.34	3.19	.94
TA27	¾	6.19	2.00	2.79	1.80	2.58	3.82	1.13
TA37	1	7.35	2.23	3.07	2.29	3.10	4.55	1.35
TA47	1¼	7.30	2.32	3.18	2.20	3.06	5.03	1.80
TA57	1½	8.57	2.58	3.89	2.45	3.77	5.44	2.05
TA67	2	9.48	3.20	4.43	3.06	4.26	6.41	2.44

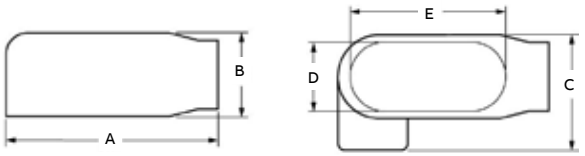
Diagrams



LR FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LR17	½	4.60	1.40	1.45	.95	3.20	4.0
LR27	¾	5.25	1.60	1.65	1.15	3.80	6.6
LR37	1	6.00	1.90	2.60	1.35	4.55	10.6
LR47	1¼	6.45	2.30	3.05	1.80	5.00	18.8
LR57	1½	7.90	2.60	3.80	2.05	5.45	26.4
LR67	2	8.30	3.20	4.25	2.45	6.40	51.0
LR77	2½	10.55	3.65	5.80	3.60	8.40	102.0
LR87	3	10.55	4.40	5.80	3.60	8.40	132.0
LR97	3½	12.85	4.90	7.03	4.55	10.25	210.0
LR107	4	12.85	5.40	7.03	4.55	10.25	243.0

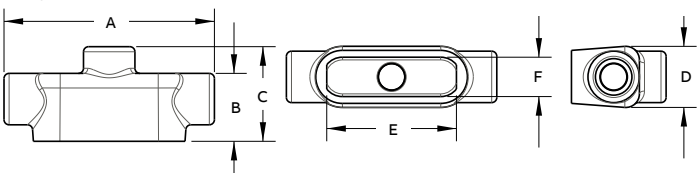
Diagrams



TB FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F
TB17-TB	½	5.57	1.77	2.57	1.62	3.19	.94
TB27	¾	6.19	2.00	2.79	1.80	3.82	1.13
TB37	1	7.35	2.28	3.07	2.29	4.63	1.35
TB47	1¼	7.30	2.32	3.18	2.20	5.03	1.80
TB57	1½	8.57	2.58	3.89	2.45	5.44	2.05
TB67	2	9.48	3.20	4.43	3.06	6.41	2.44

Diagrams



07

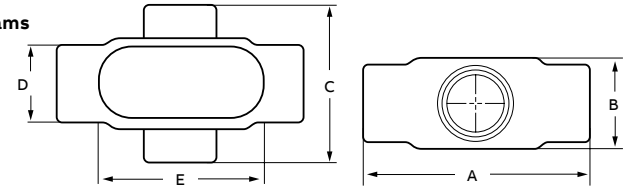
Conduit bodies and covers

BlueKote® Form 7

X FORM 7 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
X17	½	5.60	1.80	3.05	.95	3.20	6.0
X27	¾	6.20	2.00	3.30	1.15	3.80	9.1
X37	1	7.35	2.30	3.80	1.35	4.55	16.9
X47	1¼	7.30	2.30	3.85	1.80	5.00	19.3
X57	1½	8.60	2.60	5.05	2.05	5.45	27.5
X67	2	9.50	3.20	5.45	2.45	6.40	52.8

Diagrams



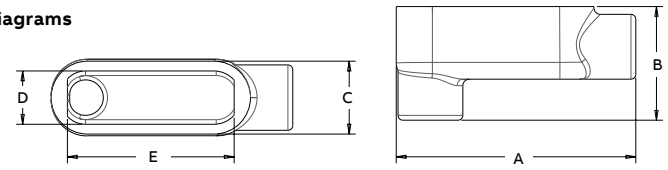
Conduit bodies and covers

Sand-cast aluminum Form 7

LB SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LB17SA	½	4.63	2.19	1.41	1.03	3.19	4.2
LB27SA	¾	5.25	2.47	1.59	1.22	3.81	6.8
LB37SA	1	6.22	2.88	1.75	1.38	4.56	11.0
LB47SA	1¼	6.59	3.34	2.19	1.81	5.03	19.5
LB57SA	1½	6.97	3.59	2.44	2.06	5.44	25.6
LB67SA	2	8.13	4.25	3.06	2.44	6.41	51.2
LB77SA	2½	10.56	5.19	4.25	3.63	8.38	100.4
LB87SA	3	10.66	6.03	4.25	3.63	8.38	126.2
LB97SA	3½	11.06	6.69	5.25	4.44	10.25	219.0
LB107SA	4	12.81	7.72	5.25	4.44	10.25	247.1

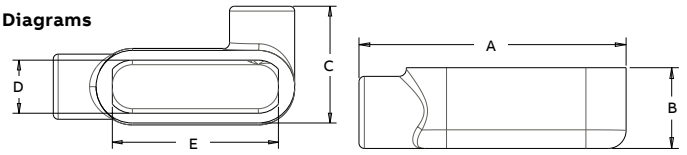
Diagrams



LR SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LR17SA	½	4.38	1.41	2.25	1.03	3.19	4.5
LR27SA	¾	5.31	1.63	2.44	1.19	3.81	7.5
LR37SA	1	6.22	1.88	2.78	1.38	4.56	11.2
LR47SA	1¼	6.63	2.31	3.22	1.81	5.03	20.3
LR57SA	1½	6.97	2.56	3.47	2.06	5.44	27.8
LR67SA	2	8.13	3.19	4.13	2.44	6.25	54.0

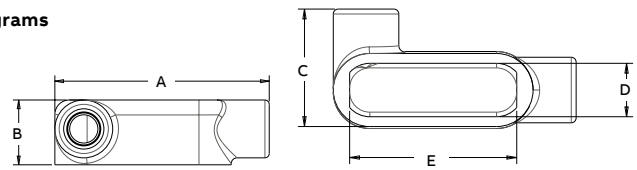
Diagrams



LL SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LL17SA	½	4.38	1.41	2.25	1.03	3.19	4.5
LL27SA	¾	5.31	1.63	2.44	1.19	3.81	7.2
LL37SA	1	6.22	1.88	2.78	1.38	4.56	11.5
LL47SA	1¼	6.63	2.31	3.22	1.81	5.03	20.0
LL57SA	1½	6.97	2.56	3.47	2.06	5.44	28.0
LL67SA	2	8.13	3.19	4.13	2.44	6.25	54.2

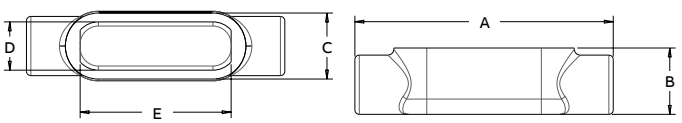
Diagrams



C SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
C17SA	½	5.44	1.41	1.41	1.00	3.19	4.8
C27SA	¾	6.16	1.63	1.59	1.22	3.81	7.5
C37SA	1	7.22	1.88	1.75	1.38	4.56	11.8
C47SA	1¼	7.63	2.31	2.19	1.91	5.03	19.8
C57SA	1½	8.00	2.56	2.44	2.06	5.44	27.8
C67SA	2	9.16	3.22	3.06	2.44	6.25	53.2

Diagrams



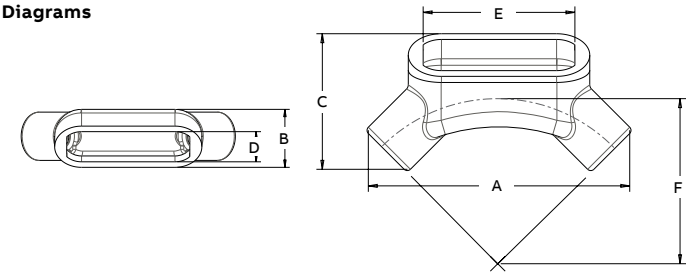
Conduit bodies and covers

Sand-cast aluminum form 7

LU® SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	Cu. in.
LU17SA	½	5.53	1.50	2.88	1.03	3.19	3.31	5.1
LU27SA	¾	6.28	1.72	3.22	1.22	3.81	3.75	8.7
LU37SA	1	7.34	1.97	3.78	1.38	4.56	4.41	13.4
LU47SA	1¼	8.38	2.47	4.34	1.81	5.03	4.91	23.8
LU57SA	1½	8.97	2.72	4.53	2.06	5.44	5.19	29.6
LU67SA	2	10.78	3.44	5.41	2.44	6.25	6.25	59.4

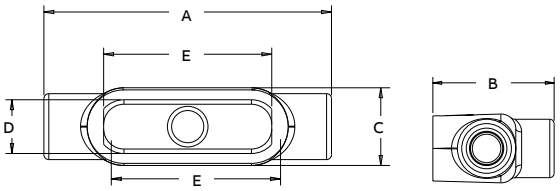
Diagrams



TB SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
TB17SA	½	5.44	2.59	1.50	1.03	3.19	5.6
TB27SA	¾	6.16	2.84	1.66	1.19	3.81	9.0
TB37SA	1	7.22	3.28	1.78	1.38	4.56	13.1
TB47SA	1¼	7.63	3.34	2.19	1.81	5.03	19.3
TB57SA	1½	8.00	3.59	2.44	2.06	5.44	25.0
TB67SA	2	9.16	4.25	3.06	2.44	6.41	51.6

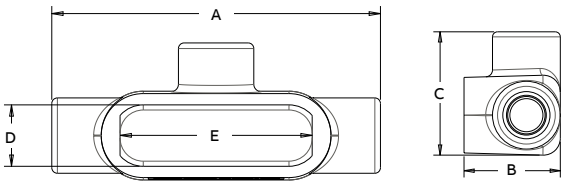
Diagrams



T SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
T17SA	½	5.44	1.78	2.28	1.03	3.19	5.5
T27SA	¾	6.16	2.00	2.59	1.22	3.81	9.1
T37SA	1	7.22	2.28	3.22	1.38	4.56	15.5
T47SA	1¼	7.63	2.31	3.22	1.81	5.03	20.1
T57SA	1½	8.00	2.56	3.47	2.06	5.44	27.1
T67SA	2	9.16	3.19	4.09	2.44	6.41	51.0
T77SA	2½	12.13	3.63	5.81	3.63	8.38	104.6
T87SA	3	12.28	4.41	5.91	3.63	8.38	135.2
T97SA	3½	14.44	4.91	6.94	4.44	10.25	230.0
T107SA	4	14.50	5.41	6.97	4.44	10.25	260.3

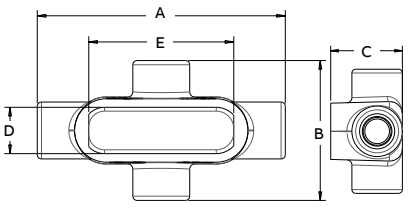
Diagrams



X SAND-CAST ALUMINUM FORM 7 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
X17SA	½	5.44	3.06	1.78	1.03	3.19	5.8
X27SA	¾	6.16	3.44	2.00	1.22	3.81	10.3
X37SA	1	7.22	4.22	2.28	1.38	4.56	16.4
X47SA	1¼	7.63	4.25	2.31	1.81	5.03	21.3
X57SA	1½	8.00	4.50	2.56	2.06	5.44	28.6
X67SA	2	9.16	5.16	3.19	2.44	6.41	53.5

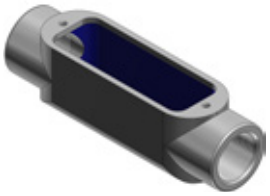
Diagrams



Conduit bodies and covers

BlueKote® Form 8

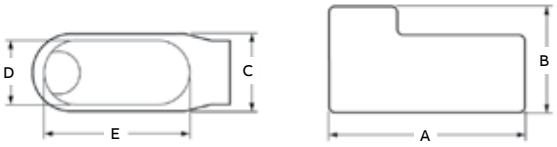
BlueKote® internal finish reduces the amount of force necessary to pull wires through T&B Form 7 and Form 8 conduit bodies.



LB FORM 8 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LB18	½	4.94	2.22	1.38	1.00	3.31	4.9
LB28	¾	5.56	2.44	1.56	1.19	3.31	8.0
LB38	1	6.50	2.81	1.75	1.38	4.56	13.0
LB448	1¼	7.53	3.34	2.19	1.75	5.31	23.5
LB58	1½	9.13	4.03	2.75	2.13	6.50	45.0
LB68	2	11.00	4.41	3.75	3.00	8.56	88.0
LB78	2½	13.94	6.13	5.00	4.25	10.88	110.0
LB888	3	13.94	6.50	5.00	4.25	10.88	110.0
LB98	3½	16.88	7.56	6.25	5.44	13.44	250.0
LB108	4	16.88	7.81	6.25	5.44	13.44	250.0

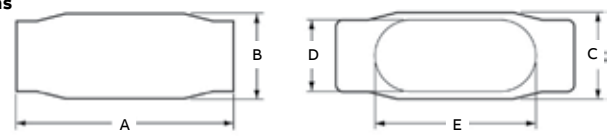
Diagrams

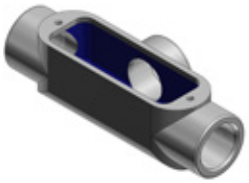


C FORM 8 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
C18	½	5.53	1.44	1.38	1.00	3.31	4.9
C28	¾	6.28	1.53	1.19	1.19	3.94	8.0
C38	1	7.31	1.94	1.75	1.38	4.56	13.0
C448	1¼	8.50	2.38	2.19	1.75	5.31	23.5
C58-TB	1½	10.38	2.78	2.75	2.13	6.50	45.0
C68	2	12.25	3.56	3.75	3.00	8.56	88.0
C78	2½	15.63	4.44	5.00	4.25	10.88	110.0
C88	3	15.63	4.81	5.00	4.25	10.88	110.0

Diagrams

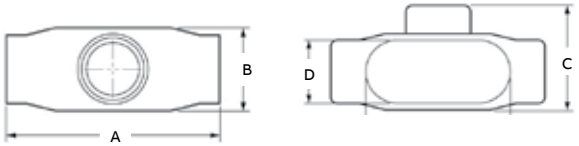




T FORM 8 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
T18	½	5.69	7.75	2.16	1.00	3.31	6.0
T28	¾	6.28	2.00	2.31	1.19	3.94	9.0
T38-TB	1	7.31	2.25	2.63	1.38	4.56	15.0
T448	1¼	8.50	2.63	3.16	1.75	5.31	24.0
T58	1½	10.38	2.78	4.00	2.13	6.50	46.5
T68	2	12.25	3.56	5.00	3.00	8.56	88.0
T78	2½	15.63	4.44	6.69	4.25	10.88	110.0
T88-TB	3	15.63	4.81	6.69	4.25	10.88	110.0

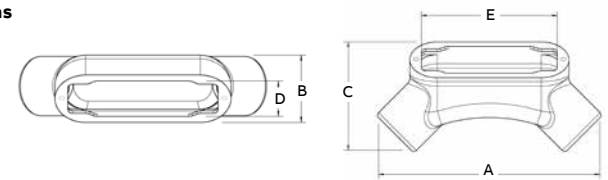
Diagrams



LU® FORM 8 BLUEKOTE CONDUIT BODIES

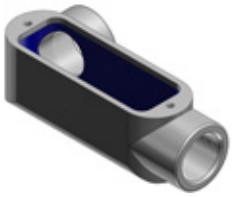
Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LU18	½	6.15	1.25	2.74	1.05	3.28	4.8
LU28	¾	6.92	1.50	3.1	1.25	3.93	8.3
LU38	1	8.20	1.70	3.65	1.45	4.55	14.8
LU448	1¼	9.86	2.20	4.3	1.8	5.29	27
LU58	1½	11.5	2.45	4.92	2.41	6.5	45.3
LU68	2	13.93	2.90	6.43	3.42	8.5	111.8

Diagrams



Conduit bodies and covers

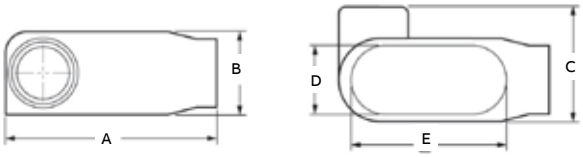
BlueKote® Form 8

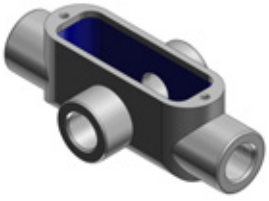


LL FORM 8 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LL18	½	4.94	1.44	2.13	1.00	3.31	4.9
LL28	¾	5.56	1.69	2.31	1.19	3.94	8.0
LL38	1	6.47	1.94	2.63	1.38	4.56	13.0
LL448	1¼	7.53	2.38	3.16	1.75	5.31	23.5
LL58	1½	9.13	2.78	4.00	2.13	6.50	45.0
LL68	2	11.00	3.56	5.00	3.00	8.56	88.0
LL78	2½	13.94	4.44	6.69	4.25	10.88	110.0
LL888	3	13.94	4.81	6.69	4.25	10.88	110.0

Diagrams

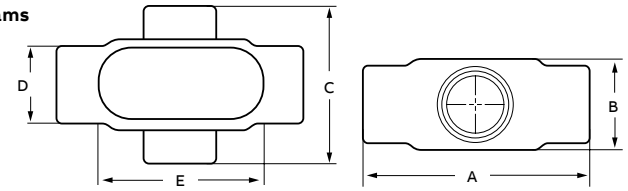


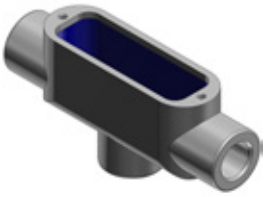


X FORM 8 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
X18	½	5.69	1.75	2.91	1.00	3.31	6.0
X28	¾	6.28	2.00	3.06	1.38	3.94	9.0
X38	1	7.31	2.25	3.50	1.38	4.56	15.0
X448	1¼	8.50	2.63	4.13	1.75	5.31	24.0
X58	1½	10.38	2.47	5.25	2.13	6.50	46.5
X68	2	12.25	3.56	6.25	3.00	8.56	88.0

Diagrams

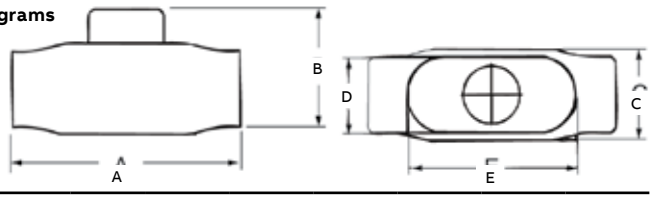


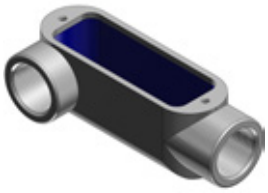


TB FORM 8 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
TB18	½	5.69	2.63	1.38	1.00	3.31	6.0
TB28	¾	6.28	2.88	1.19	1.19	3.94	9.0
TB38	1	7.31	3.25	1.75	1.38	4.56	15.0
TB448	1¼	8.50	3.31	2.19	1.75	5.31	24.0
TB58	1½	10.38	3.69	2.75	2.13	6.50	46.5
TB68	2	12.25	4.25	3.75	3.00	8.56	88.0

Diagrams

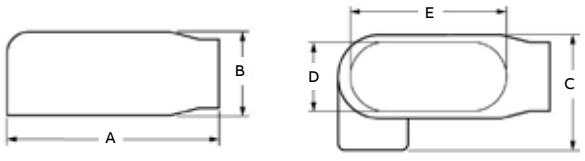




LR FORM 8 BLUEKOTE CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LR18	½	4.94	1.44	2.16	1.00	3.31	4.4
LR28	¾	5.56	1.69	2.31	1.19	3.94	8.0
LR38	1	6.47	1.94	2.63	1.38	4.56	13.0
LR448	1¼	7.53	2.38	3.16	1.75	5.31	23.6
LR58	1½	9.13	2.78	4.00	2.13	6.50	45.0
LR68	2	11.00	3.56	5.00	3.00	8.56	88.0
LR78	2½	13.94	4.44	6.69	4.25	10.88	110.0
LR888	3	13.94	4.81	6.69	4.25	10.88	110.0

Diagrams



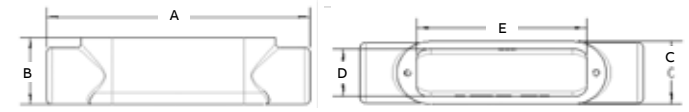
Conduit bodies and covers

Sand-cast aluminum Form 9

C SAND-CAST ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
C19SA	½"	5.858	1.5	1.392	1.018	3.307	4.5
C29SA	¾"	6.48	1.78	1.56	1.186	3.898	7.5
C39SA	1"	7.578	1.975	1.756	1.382	4.559	11.5
C49SA	1¼"	8.593	2.315	2.2	1.826	5.197	22.3
C59SA	1½"	9.238	2.8	2.5	1.788	5.892	34
C69SA	2"	11.578	3.56	3.189	2.349	8.11	80.0
C789SA	2½"	15.522	4.575	5.04	4.29	10.827	212
C889SA	3"	15.68	4.575	5.04	4.29	10.827	216
C989SA	3½"	18.452	5.535	6.338	5.538	13.438	408
C1089SA	4"	18.498	5.535	6.339	5.538	13.438	440

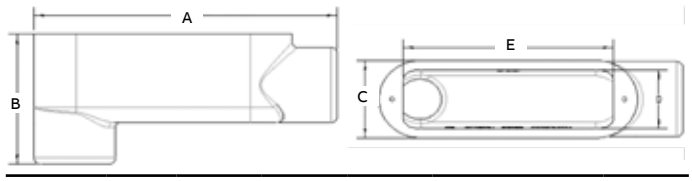
Diagrams



LB SAND-CAST ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LB19SA	½"	5.034	2.231	1.392	1.018	3.307	4.5
LB29SA	¾"	5.64	2.62	1.56	1.186	3.898	7.5
LB39SA	1"	6.569	2.984	1.756	1.382	4.55	11.5
LB49SA	1¼"	7.767	3.344	2.2	1.826	5.197	22.3
LB59SA	1½"	8.209	3.829	2.5	2.1	5.906	34
LB69SA	2"	10.533	4.605	3.228	2.388	7.941	80.0
LB789SA	2½"	13.961	6.011	5.04	4.29	10.827	212
LB889SA	3"	14.04	6.215	5.04	4.29	10.827	216
LB989SA	3½"	16.751	7.236	6.339	5.576	13.437	408
LB1089SA	4"	16.774	7.259	6.339	5.573	13.438	440

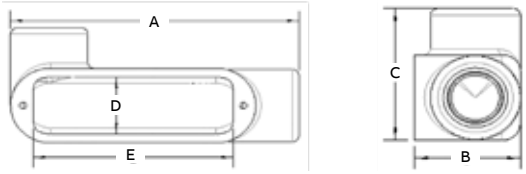
Diagrams



LL SAND-CAST ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LL19SA	½"	5.034	1.5	2.213	1.018	3.28	4.5
LL29SA	¾"	5.64	1.78	2.4	1.186	3.898	7.5
LL39SA	1"	6.569	1.975	2.765	1.382	4.55	11.5
LL49SA	1¼"	7.564	2.315	3.229	1.826	5.197	22.3
LL59SA	1½"	8.591	2.8	3.529	2.126	5.906	34
LL69SA	2"	10.714	3.56	4.234	2.349	8.11	80.0
LL789SA	2½"	13.961	4.575	6.601	4.29	10.827	212
LL889SA	3"	14.04	4.575	6.68	4.29	10.827	216
LL989SA	3½"	16.563	5.535	8.04	5.577	13.437	408
LL1089SA	4"	16.774	5.535	8.063	5.577	13.438	440

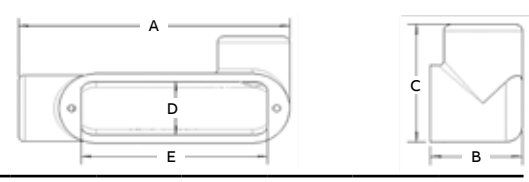
Diagrams



LR SAND-CAST ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
LR19SA	½"	5.034	1.5	2.213	1.018	3.28	4.5
LR29SA	¾"	5.64	1.78	2.4	1.186	3.898	7.5
LR39SA	1"	6.569	1.975	2.765	1.382	4.55	11.5
LR49SA	1¼"	7.564	2.315	3.229	1.826	5.197	22.3
LR59SA	1½"	8.591	2.8	3.529	2.126	5.906	34
LR69SA	2"	10.714	3.56	4.234	2.349	8.11	80.0
LR789SA	2½"	13.961	4.575	6.601	4.29	10.827	212
LR889SA	3"	14.04	4.575	6.68	4.29	10.827	216
LR989SA	3½"	16.563	5.535	8.04	5.577	13.437	408
LR1089SA	4	16.774	5.535	8.063	5.577	13.438	440

Diagrams



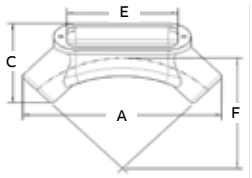
Conduit bodies and covers

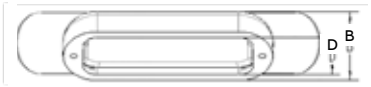
Sand cast aluminum form 9

LU® SAND-CAST ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Radius	Cu. in.
LU19SA	½	6.21	2.701	1.5	1.018	3.28	4.415	5.3
LU29SA	¾	6.97	3.047	1.698	1.186	3.898	4.92	8.0
LU39SA	1	8.276	3.651	2.02	1.445	4.559	6.143	14.0
LU49SA	1¼	9.902	4.266	2.362	1.826	5.29	7.666	30.8
LU59SA	1½	10.256	5.127	2.609	2.126	5.906	8.214	41.0
LU69SA	2	13.968	6.153	3.421	2.815	7.941	8.5	97.0

Diagrams

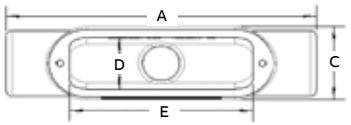




TB SAND-CAST ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
TB19SA	½	5.958	2.596	1.556	1.018	3.307	6.3
TB29SA	¾	6.6	2.84	1.715	1.186	3.898	9.3
TB39SA	1	7.644	3.284	1.756	1.382	4.559	14.0
TB49SA	1¼	8.788	3.344	2.2	1.826	5.197	22.0
TB59SA	1½	9.996	3.604	2.5	1.784	5.883	34.8
TB69SA	2	11.578	4.605	3.189	2.815	8.11	80.5

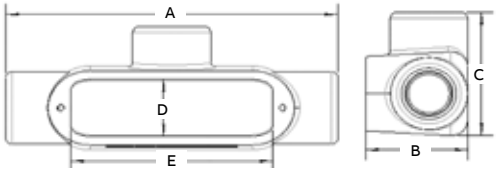
Diagrams



T SAND CAST-ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
T19SA	½	5.958	1.775	2.393	1.078	3.307	6.3
T29SA	¾	6.455	2	2.591	1.185	3.925	9.3
T39SA	1	7.578	2.275	2.765	1.382	4.559	14.0
T49SA	1¼	8.593	2.315	3.229	1.826	5.197	22.0
T59SA	1½	9.243	2.8	3.529	2.126	5.906	34.8
T69SA	2	11.578	3.56	4.234	2.815	8.11	80.5
T789SA	2½	15.522	4.575	6.601	4.25	10.827	175
T889SA	3	15.68	4.575	6.68	4.25	10.827	236
T989SA	3½	18.452	5.535	8.04	5.539	13.437	435
T1089SA	4	18.498	5.535	8.063	5.539	13.438	450

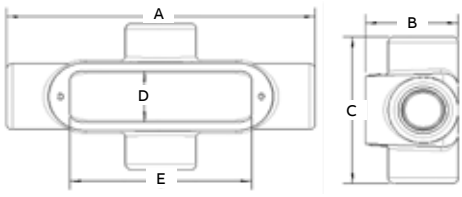
Diagrams



X SAND-CAST ALUMINUM FORM 9 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
X19SA	½	5.958	1.775	3.094	1.018	3.28	6.3
X29SA	¾	6.61	2	3.37	1.186	3.898	9.3
X39SA	1	7.578	2.275	3.774	1.382	4.559	14.0

Diagrams



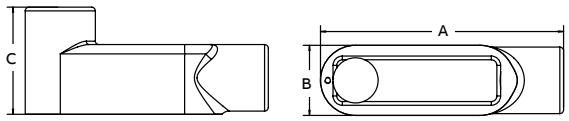
Conduit bodies and covers

Series 35

LB SERIES 35 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Cu. in.
LB50M	½	4.68	1.34	2.05	4.5
LB75M-TB	¾	5.37	1.50	2.25	7.5
LB100M	1	6.20	1.80	2.65	12.5
LB125M	1¼	8.12	2.60	2.75	32
LB150M	1½	8.12	2.60	2.83	35.3
LB200M	2	10.50	3.12	4.42	73
LB250M	2½	13.60	4.31	5.40	142
LB300M	3	13.87	4.31	5.90	173
LB350M	3½	16.25	5.62	6.90	292
LB400M	4	16.60	5.62	7.21	324

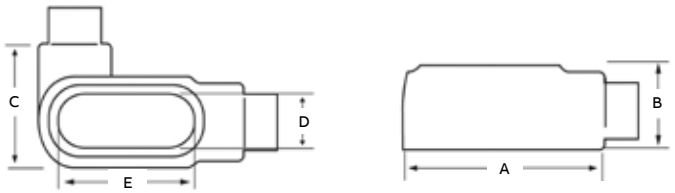
Diagrams



LL SERIES 35 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Cu. in.
LL50M	½	4.68	2.05	1.37	4.5
LL75M	¾	5.37	2.25	1.70	7.5
LL100M	1	6.20	2.65	1.90	12.5
LL125M	1¼	8.12	2.75	2.75	32
LL150M	1½	8.12	3.50	2.83	33
LL200M	2	10.50	4.12	3.31	68
LL250M	2½	13.60	5.71	3.90	142
LL300M	3	13.87	5.87	4.75	173
LL350M	3½	16.50	7.13	6.81	292
LL400M	4	16.50	7.13	7.19	324

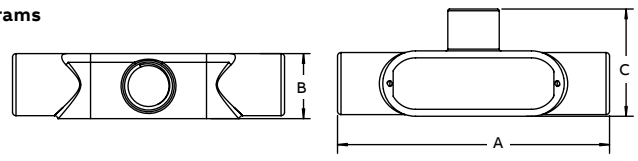
Diagrams



T SERIES 35 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Cu. in.
T50M	½	5.38	2.05	1.34	6.0
T75M	¾	6.00	2.25	1.50	9.5
T100M	1	7.05	2.65	1.80	15
T125M	1¼	9.00	2.75	2.60	33
T150M	1½	9.00	3.50	2.60	36
T200M	2	11.50	4.12	3.12	76
T250M	2½	15.00	5.71	4.31	142
T300M	3	15.12	5.87	4.31	173
T350M	3½	18.13	6.81	5.19	292
T400M	4	18.13	7.15	5.56	324

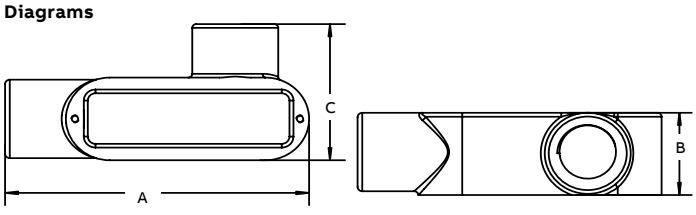
Diagrams



LR SERIES 35 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Cu. in.
LR50M	½	4.68	2.05	1.37	4.5
LR75M	¾	5.37	2.25	1.70	7.5
LR100M	1	6.20	2.65	1.90	12.5
LR125M	1¼	8.12	2.75	2.75	32
LR150M	1½	8.12	3.50	2.83	35.3
LR200M	2	10.50	4.12	3.31	68
LR250M	2½	13.60	5.71	3.90	142
LR300M	3	13.87	5.87	4.75	173
LR350M-TB	3½	16.25	6.10	5.62	292
LR400M	4	16.25	6.95	5.62	324

Diagrams



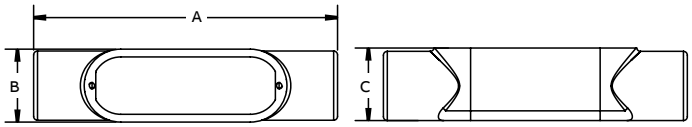
Conduit bodies and covers

Series 35

C SERIES 35 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Cu. In.
C50M	½	5.38	1.34	1.37	4.5
C75M-TB	¾	6.00	1.50	1.70	7.5
C100M	1	7.05	1.80	1.90	12.5
C125M	1¼	9.00	2.60	2.75	35
C150M	1½	9.00	2.60	2.83	35.3
C200M	2	11.50	3.12	3.31	75
C250M-TB	2½	15.00	4.31	3.90	153
C300M	3	15.12	4.31	4.75	181
C350M	3½	18.13	4.88	5.19	290
C400M	4	18.13	4.88	5.56	320

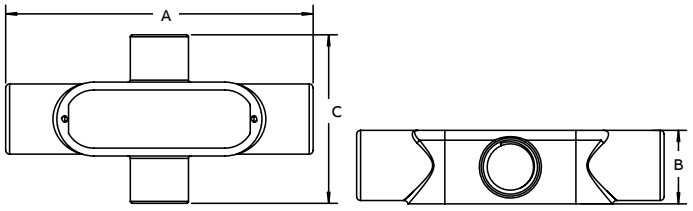
Diagrams



X SERIES 35 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Cu. in.
X50M	½	5.41	2.79	1.75	36.0
X75M	¾	6.08	2.93	1.97	76.0
X100M	1	7.1	3.56	2.25	6.0
X125M	1¼	9.1	4.43	2.55	9.5
X150M	1½	9.1	4.43	2.75	15.0
X200M	2	11.75	5.4	3.45	33.0

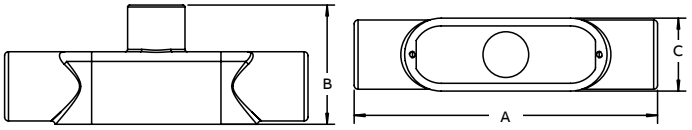
Diagrams



TB SERIES 35 CONDUIT BODIES

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Cu. in.
TB50M	½	5.38	1.34	2.05	6
TB75M	¾	6.00	1.50	2.25	9.5
TB100M	1	7.05	1.80	2.65	15
TB125M	1¼	9.00	2.60	2.75	33
TB150M	1½	9.00	2.60	2.83	36
TB200M	2	11.50	3.12	4.42	76

Diagrams



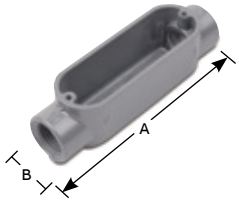
Conduit bodies and covers

Red Dot® aluminum

C style

- Sizes 3½–4" are sand-cast aluminum alloy (all others are die-cast aluminum alloy)
- Finish for AC-7, AC-8 and DAC-7-CG–DAC-10-CG: Polyester powder base, metallic glaucous gray
- Finish for all others: Powder-coated silver gray

DAC-1-CG



AC-1-RD

LB style

DALB-1-CG

ALB-1

C RED DOT ALUMINUM CONDUIT BODIES

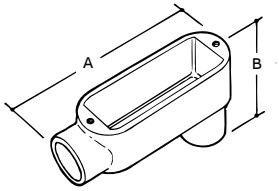
Cat. no.	Trade size (in.)	Dimensions (in.) A	Dimensions (in.) B	Std. ctn.
AC-1-RD	½	4.82	1.31	50
AC-2-RD	¾	5.67	1.56	50
AC-3	1	6.38	1.75	25
AC-4-RD	1¼	8.27	2.49	10
AC-5	1½	8.27	2.49	10
AC-6-RD	2	10.25	3.14	5
AC-7*†	2½	13.46	4.44	1
AC-8*†	3	13.46	4.44	1
AC-9*	3½	15.94	5.42	1
AC-10-RD*	4	16.08	5.42	1
D-PAK™				
DAC-1-CG	½	4.82	1.31	12
DAC-2-CG	¾	5.67	1.56	15
DAC-3-CG	1	6.38	1.75	8
DAC-4-CG	1¼	8.27	2.49	6
DAC-5-CG	1½	8.27	2.49	5
DAC-6-CG	2	10.25	3.14	2
DAC-7-CG†	2½	13.46	4.44	2
DAC-8-CG†	3	13.46	4.44	2
DAC-9-CG†	3½	15.83	5.43	2
DAC-10-CG	4	15.83	5.43	2

* Shipped with cover and gasket.
† UL listed, CSA certified only

LB RED DOT ALUMINUM CONDUIT BODIES

Cat. no.	D-PAK™* cat. no.	Trade size (in.)	Dimensions (in.) A	Dimensions (in.) B	Std. ctn.	D-PAK™* std. ctn.
ALB-1	DALB-1-CG	½	4.39	2.01	50	25
ALB-2	DALB-2-CG	¾	5.18	2.21	50	16
ALB-3	DALB-3-CG	1	5.93	2.70	25	6
ALB-4	DALB-4-CG	1¼	7.76	3.46	10	5
ALB-5	DALB-5-CG	1½	7.76	3.66	10	5
ALB-6	DALB-6-CG	2	9.85	4.24	5	2
ALB-7*†	DALB-7-CG†	2½	12.83	5.13	1	2
ALB-8*†	DALB-8-CG†	3	12.83	5.73	1	2
ALB-9*†	DALB-9-CG†	3½	15.35	7.01	1	2
ALB-10*†	DALB-10-CG†	4	15.35	7.01	1	2

Diagram



* Shipped with cover and gasket.
† UL listed, CSA certified only

Conduit bodies and covers

Red Dot® aluminum

LL style

- Die-cast aluminum alloy ½–2"
- Sand-cast aluminum alloy 2½"–4"
- Provide access for pulling, splicing and maintenance
- For rigid conduit and IMC applications
- cULus listed

DALL-1-CG

ALL-1

LR style

- Die-cast aluminum alloy ½"–2"
- Sand-cast aluminum alloy 2½"–4"
- Powder-coated silver gray finish
- Provide access for pulling, splicing and maintenance
- For rigid conduit/IMC applications

DALR-1-CG

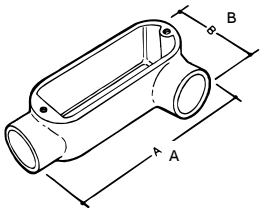
ALR-1

LL RED DOT ALUMINUM CONDUIT BODIES

c UL us LISTED

Cat. no.	D-PAK™* cat. no.	Trade size (in.)	Dimensions (in.) A	Dimensions (in.) B	Std. ctn.	D-PAK™* std. ctn.
ALL-1	DALL-1-CG	½	4.39	1.90	50	12
ALL-2	DALL-2-CG	¾	5.17	2.22	50	15
ALL-3	DALL-3-CG	1	5.92	2.48	25	5
ALL-4	DALL-4-CG	1¼	7.76	3.41	10	4
ALL-5	DALL-5-CG	1½	7.76	3.41	10	5
ALL-6	DALL-6-CG	2	9.85	4.01	5	2
ALL-7*	DALL-7-CG	2½	13.08	6.00	1	2
ALL-8*	DALL-8-CG	3	13.12	5.96	1	2
ALL-9*	DALL-9-CG	3½	15.46	6.40	1	2
ALL-10*	DALL-10-CG	4	15.46	6.40	1	2

Diagram



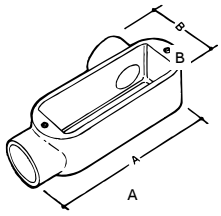
* Shipped with cover and gasket.
† UL listed, CSA certified only

LR RED DOT ALUMINUM CONDUIT BODIES

c UL us LISTED

Cat. no.	D-PAK™* cat. no.	Trade size (in.)	Dimensions (in.) A	Dimensions (in.) B	Std. ctn.	D-PAK™* std. ctn.
ALR-1	DALR-1-CG	½	4.39	1.90	50	12
ALR-2	DALR-2-CG	¾	5.17	2.22	50	15
ALR-3	DALR-3-CG	1	5.92	2.48	25	5
ALR-4	DALR-4-CG	1¼	7.76	3.41	10	4
ALR-5	DALR-5-CG	1½	7.76	3.41	10	4
ALR-6	DALR-6-CG	2	9.85	4.05	5	2
ALR-7*	DALR-7-CG	2½	13.08	6.00	1	2
ALR-8*	DALR-8-CG	3	13.12	5.96	1	2
ALR-9*	DALR-9-CG	3½	15.46	6.40	1	2
ALR-10*	DALR-10-CG	4	15.46	6.40	1	2

Diagram



* Threaded and shipped with cover and gasket.

Conduit bodies and covers

Red Dot® aluminum

LT style

- Die-cast aluminum alloy ½"–2"
- Sand-cast aluminum alloy 2½"–4"

DAT-1-CG

AT-1

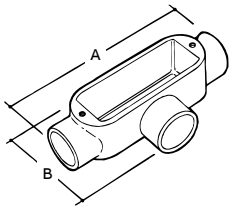
LRL style

ALRL-1

LT RED DOT ALUMINUM CONDUIT BODIES

Cat. no.	D-PAK™* cat. no.	Trade size (in.)	Dimensions (in.) A	Dimensions (in.) B	Std. ctn.	D-PAK™* std. ctn.
AT-1	DAT-1-CG	½	4.83	1.31	50	12
AT-2	DAT-2-CG	¾	5.75	1.52	50	14
AT-3	DAT-3-CG	1	6.33	1.75	25	5
AT-4	DAT-4-CG	1¼	8.27	2.49	10	5
AT-5	DAT-5-CG	1½	8.27	2.50	10	5
AT-6	DAT-6-CG	2	10.25	3.14	5	2
AT-7*	DAT-7-CG	2½	6.13	4.44	1	2
AT-8*	DAT-8-CG	3	14.00	4.45	1	2
AT-9*	DAT-9-CG	3½	15.94	5.43	1	2
AT-10*	DAT-10-CG	4	16.08	5.42	1	2

Diagram

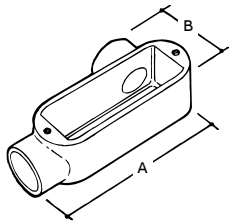


* Threaded and shipped with cover, gasket and body.

LRL RED DOT ALUMINUM CONDUIT BODIES

Cat. no.	Trade size (in.)	Dimensions (in.) A	Dimensions (in.) B	Std. ctn.
ALRL-1†*	½	4.40	2.06	50
ALRL-2†*	¾	5.08	2.28	50
ALRL-3†*	1	5.80	2.47	25

Diagram



* Threaded and shipped with cover, gasket and body.
†UL listed, CSA certified only

Conduit bodies and covers

Mogul conduit outlet bodies

Application
- Act as pull outlets for conductors that are stiff, due to large size or type of insulation
- Provide the longer openings needed when pulling large conductors
- Prevent sharp bends and kinks in large conductors (protects insulation during installation)
- Provide ample openings for splices and taps
- Provide access to wiring for maintenance and future system changes

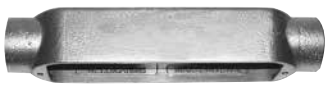
Features
- Long openings
- Provision for easy bends
- Tapered tapped hubs with integral bushings
- Stainless steel cover screws
- Covers and gaskets included

Standard materials
- Class 30 gray iron alloy

Standard finishes
- Electrogalvanized and aluminum acrylic paint

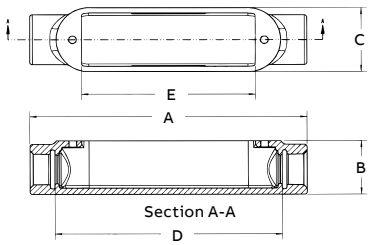
Listings/compliances
- UL Standard: 514B
- Fed. Spec.: W-C-586D
- CSA Standard: C22.2 No.18
- UL listed for wet locations

Note: See NEC 370-28 (a) (1) and (2) for pull length and bending space requirements applicable to BC, BLB and BUB series moguls.



BC MOGUL SERIES (COVER AND GASKET INCLUDED)

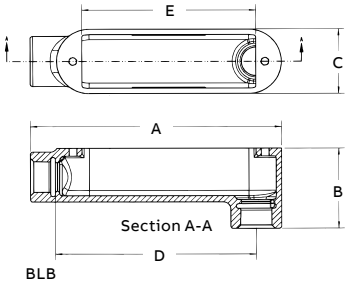
			Dimensions (in.)					
	Cat. no.	Hub size (in.)	A	B	C	D	E	Cu. in.
Diagrams	BC3-TB	1	9.56	1.88	2.25	7.84	6	20.0
	BC4-TB	1¼	9.56	2.31	2.25	7.84	6	25.0
	BC5-TB	1½	13.75	2.56	3	11.45	10	60.0
	BC6-TB	2	13.75	3.31	3	11.45	10	78.0
	BC7-TB	2½	18.38	3.63	4.25	15.61	15	180.0
	BC8-TB	3	18.38	4.38	4.25	15.82	15	225.0
	BC10-TB	4	23.75	5.38	5.25	20.50	20	460.0



BC

BLB MOGUL SERIES (COVER AND GASKET INCLUDED)

			Dimensions (in.)					
	Cat. no.	Hub size (in.)	A	B	C	D	E	Cu. in.
Diagrams	BLB3-TB	1	8.66	2.80	2.25	6.92	6	20.0
	BLB4-TB	1¼	8.66	2.70	2.25	6.70	6	25.0
	BLB5-TB	1½	12.58	2.56	3	10.36	10	62.0
	BLB6-TB	2	12.58	4.16	3	10.13	10	78.0
	BLB7-TB	2½	16.94	5.10	4.25	13.89	15	170.0
	BLB8-TB	3	16.94	5.81	4.25	13.59	15	210.0
	BLB9-TB	3½	22.16	6.50	5.25	18.32	20	410.0
	BLB10-TB	4	22.16	7.00	5.25	18.06	20	460.0



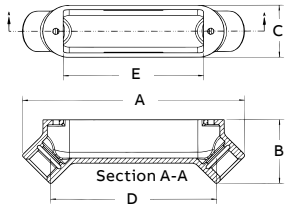
BLB

Conduit bodies and covers

Mogul conduit outlet bodies

BUB MOGUL SERIES (COVER AND GASKET INCLUDED)

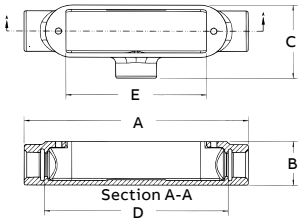
Diagrams	Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
	BUB3-TB	1	9.49	2.75	2.25	7.01	6	20.0
	BUB4-TB	1¼	9.55	3.21	2.25	6.71	6	25.0
	BUB5-TB	1½	16.68	6.67	3	10.47	10	62.0
	BUB6-TB	2	13.68	4.28	3	10.20	10	78.0
	BUB7-TB	2½	18.30	5.03	4.25	13.97	15	170.0
	BUB8-TB	3	18.30	5.67	4.25	13.50	15	210.0
	BUB9-TB	3½	23.74	6.72	5.25	18.07	20	385.0
	BUB10-TB	4	23.74	7.22	5.25	17.73	20	430.0



BUB

BT MOGUL SERIES (COVER AND GASKET INCLUDED)

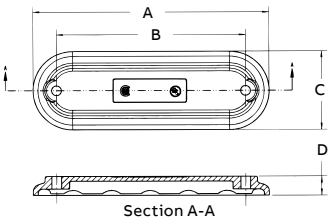
Diagrams	Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Cu. in.
	BT3-TB	1	9.56	1.88	3.16	7.84	6	20.0
	BT5-TB	1½	13.75	2.56	4.06	11.45	10	62.0
	BT6-TB	2	13.75	3.31	4.06	11.45	10	78.0
	BT7-TB	2½	18.38	3.63	5.59	15.61	15	180.0
	BT8-TB	3	18.38	4.38	5.72	15.82	15	225.0
	BT9-TB	3½	23.75	4.88	6.88	20.50	20	410.0
	BT10-TB	4	23.75	5.38	6.88	20.50	20	460.0



BT

BG MOGUL SERIES REPLACEMENT COVERS

Diagrams	Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	D	E
	BG48-TB	1–1¼	8.27	6.62	2.77	.67	—
	BG68-TB	1½–2	12	10.62	3.60	.82	—
	BG88-TB	2½–3	16.22	12.44	4.97	.85	2.75
	BG98-TB	3½– 4	21.21	16.63	5.96	.87	3.75

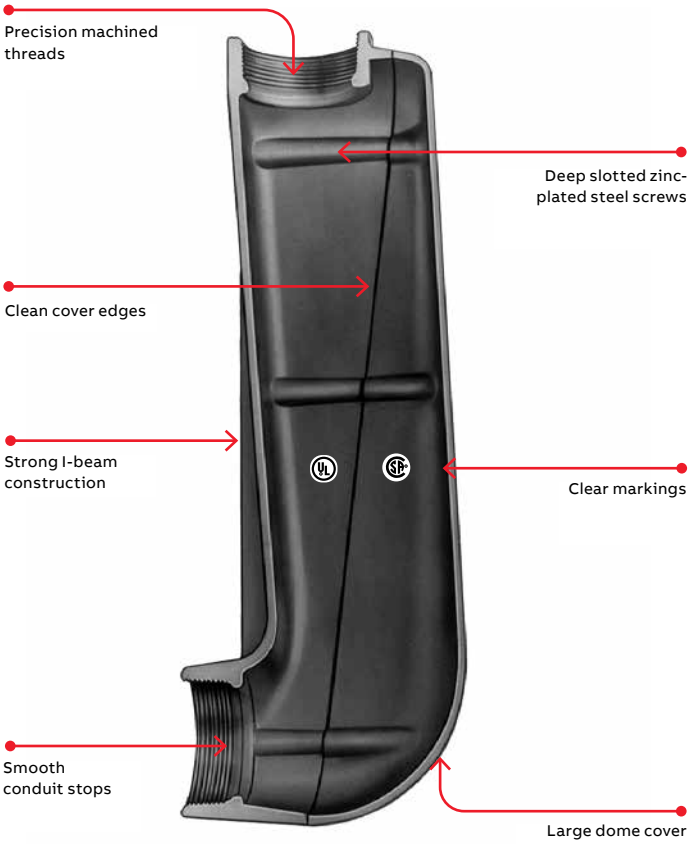


BG

Conduit bodies and covers

Aluminum mogul conduit outlet bodies

MALB



Application

- Raintight junction for bringing electrical service into a location
- Spacious, accessible wiring chamber provides a convenient location to pull conductors and make splices

Features

- Precision cast and machined surfaces permit safer wire pulling
- Clean cover edges provide good gasket sealing
- Precision NPT threaded hubs enable trouble-free field installation for rigid and IMC conduit
- Deep slotted zinc-plated steel cover screws for faster installation
- Clear UL, CSA and cubic inch capacity markings speed approval by inspectors
- Dome-style cover permits easy wire pulling

Standard materials

- Mogul pulling elbows: Die-cast aluminum alloy with zinc-plated steel screws
- Gaskets: Composition

Standard finish

- Polyester powder base

Listings/compliances

- UL listed
- CSA certified

Sample specifications

- Mogul pulling elbows shall be die cast aluminum alloy. All conduit stops shall be coined and free of rough edges.
- Mogul pulling elbows shall be ABB catalog no. _____.

Conduit bodies and covers

Aluminum mogul conduit outlet bodies

MALB-4, MALB-5, MALB-6

MALB-8, MALB-10

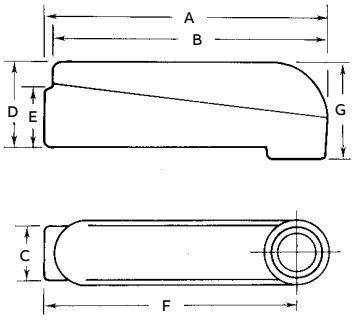
ALUMINUM MOGUL CONDUIT OUTLET BODIES WITH COVERS AND GASKETS

Cat. no.	Hub size (in.)	Unit qty.	Std. pkg.	Wt. lbs. per 100
MALB-4	1¼	2	10	160
MALB-5	1½	1	1	400
MALB-6	2	1	1	375
MALB-8	3	1	1	1060
MALB-10	4	1	1	1800

MGKV-4 through -7

REPLACEMENT GASKETS

Cat. no.	Hub size (in.)	Unit qty.	Std. pkg.	Wt. lbs. per 100
MGKV-4	1¼	1	5	4
MGKV-5	1½ to 2	1	5	4
MGKV-6	2½ to 3	1	5	5
MGKV-7	3½ to 4	1	5	5



MALB DIMENSIONS

Hub size (in.)	Dimensions (in.)							
	A	B	C	D	E	F	G	Cu. in.
1¼	9.47	9.11	2.52	2.84	2.06	8.41	3.58	40.0
1½	14.53	14.26	3.22	5.17	3.09	12.95	5.17	128.0
2	14.53	14.26	3.22	5.17	3.09	12.69	5.17	128.0
3	21.69	21.41	4.50	5.63	4.38	18.00	7.72	398.0
4	28.63	28.69	5.50	6.50	5.38	24.00	9.72	766.7

08

Device boxes and covers

Device boxes and covers

Cast device boxes

Application
- Accommodate wiring devices
- Act as pull boxes for conductors in a threaded rigid conduit system, including an internal ground screw
- Provide openings to make splices and taps in conductors
- Provide access to conductors for maintenance and future system changes
- Connect conduit sections

Features
- All hubs have NPT threads with a minimum of five full threads and integral bushing
- Internal grounding screw standard on boxes
- Suitable for wet locations when used with gasketed covers
- Available in shallow (FS) or deep (FD) boxes (use FD if device to be enclosed exceeds 1⅝" in depth)
- Use blank bodies where special arrangements of conduit hubs or entrances are required
- All cover holes are #6–32
- Mounting lugs are standard on all FS and FD boxes
- Easier and faster to clean with exceptionally smooth hygienic markings on stainless steel version

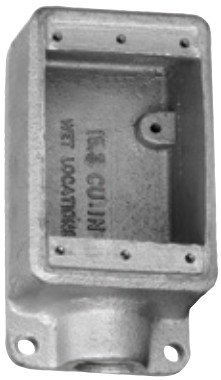
Size range
- Hubs: ½" to 1" NPT

Materials
- Boxes: Class 30 gray iron alloy
- Covers: Sand-cast aluminum alloy and sheet steel
- Gaskets: Neoprene
- Option: Stainless steel 316 – Add suffix “-SST” instead of “-TB” on select boxes

Finish
- Zinc-plated with aluminum acrylic paint
- Stainless steel 316: Polished

Listings/compliances
- UL 514A (wet locations when used with gasketed covers)
- CSA C22.2 No. 18

01 Dead-end



02 Dead-end

03 Dead-end
(AFS-1 – aluminum)

04 Through-feed

Device boxes and covers

Single-gang cast device boxes – Now available in stainless steel 316

SHALLOW SINGLE-GANG CAST DEVICE BOXES

Cat. no.	Fig.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	G	Throat dia. Min.	Max.
Dead-end											
FS019-TB	A	Blank	2.00	2.75	4.28	—	3.38	4.72	0.88	—	—
AFS-1*	B	½	2.06	2.81	4.56	0.81	—	—	—	0.600	0.615
FS1-TB	B	½	2.00	2.75	4.28	0.88	2.19	—	—	0.570	0.610
FS2-TB	B	¾	2.00	2.75	4.28	0.88	2.19	—	—	0.755	0.810
FS3-TB	B	1	2.00	2.75	4.28	0.88	2.19	—	—	0.935	1.035
Through-feed											
FSC1-TB	C	½	2.00	2.75	4.28	0.88	2.19	5.38	—	0.570	0.610
FSC2-TB	C	¾	2.00	2.75	4.28	0.88	2.19	5.38	—	0.755	0.810
FSC3-TB	C	1	2.00	2.75	4.28	0.88	2.19	5.38	—	0.935	1.035

*Aluminum alloy A360 construction

DEEP SINGLE-GANG CAST DEVICE BOXES

Cat. no.	Fig.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	G	Throat dia. Min.	Max.
Dead-end											
FD019-TB	A	Blank	2.81	2.75	4.28	—	3.38	4.72	1.38	—	—
FD1-TB	B	½	2.81	2.75	4.28	0.88	2.19	—	—	0.570	0.610
FD2-TB*	B	¾	2.81	2.75	4.28	0.88	2.19	—	—	0.755	0.810
FD3-TB	B	1	2.81	2.75	4.28	0.88	2.19	—	—	0.935	1.035
Through-feed											
FDC1-TB	C	½	2.81	2.75	4.28	0.88	2.19	5.38	—	0.570	0.610
FDC2-TB*	C	¾	2.81	2.75	4.28	0.88	2.19	5.38	—	0.755	0.810
FDC3-TB*	C	1	2.81	2.75	4.28	0.88	2.19	5.38	—	0.935	1.035

*Available in stainless steel 316, cULus listed . Replace "-TB" with "-SST" suffix.

Diagrams

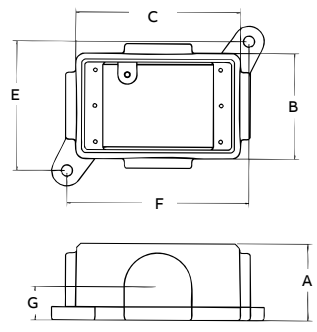


Fig. A dead-end

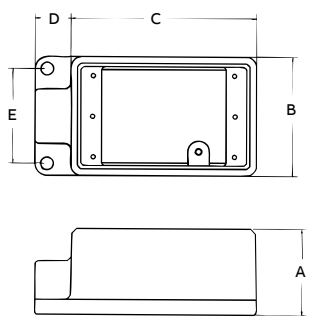


Fig. B dead-end

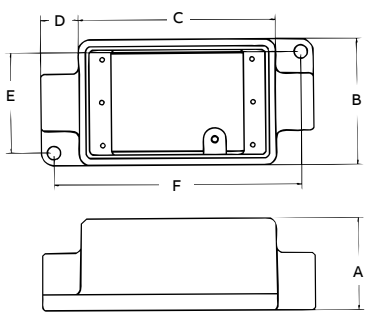


Fig. C through-feed

Device boxes and covers

Double-gang cast device boxes

Fig. A dead-end

Fig. B dead-end

Fig. C through-feed

SHALLOW DOUBLE-GANG CAST DEVICE BOXES

Cat. no.	Hub fig.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	Throat dia. Min.	Max.
Dead-end										
FS062-TB	A	Blank	2.00	4.63	4.28	—	4.13	5.50	—	—
FS12-TB	B	½	2.00	4.63	4.28	0.88	2.19	—	0.570	0.610
FS22-TB	B	¾	2.00	4.63	4.28	0.88	2.19	—	0.755	0.810
FS32-TB	B	1	2.00	4.63	4.28	0.88	2.19	—	0.935	1.035
Through-feed										
FSC12-TB	C	½	2.00	4.63	4.28	0.88	2.19	5.38	0.570	0.610
FSC222-TB	C	¾	2.00	4.63	4.28	0.88	2.19	5.38	0.755	0.810
FSC32-TB	C	1	2.00	4.63	4.28	0.88	2.19	5.38	0.935	1.035

DEEP DOUBLE-GANG CAST DEVICE BOXES

Cat. no.	Hub fig.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	Throat dia. Min.	Max.
Dead-end										
FD062-TB	A	Blank	2.81	4.63	4.28	—	4.13	5.50	—	—
FD12-TB	B	½	2.81	4.63	4.28	0.88	2.19	—	0.570	0.610
FD22-TB	B	¾	2.81	4.63	4.28	0.88	2.19	—	0.755	0.810
FD32-TB	B	1	2.81	4.63	4.28	0.88	2.19	—	0.935	1.035
Through-feed										
FDC12-TB	C	½	2.81	4.63	4.28	0.88	2.19	5.38	0.570	0.610
FDC222-TB*	C	¾	2.81	4.63	4.28	0.88	2.19	5.38	0.755	0.810
FDC32-TB*	C	1	2.81	4.63	4.28	0.88	2.19	5.38	0.935	1.035

*Available in stainless steel 316, cULus listed . Replace "-TB" with "-SST" suffix.

Diagrams

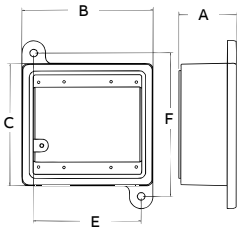


Fig. A dead-end

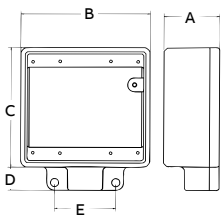


Fig. B dead-end

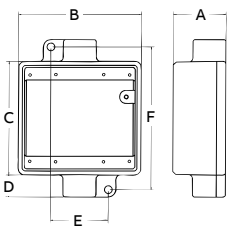


Fig. C through-feed

Device boxes and covers

Double-gang and multi-gang cast device boxes

Fig. D dead-end

DOUBLE-GANG CAST DEVICE BOXES, DOUBLE HUB

Cat. no.	Fig.	Hub size (in.)	Dimensions (in.) A	B	C	D	E	Throat dia. Min.	Max.
FSS222-TB	D	¾	2.00	4.63	4.28	0.88	4.06	0.755	0.810
FDS222-TB	D	¾	2.81	4.63	4.28	0.88	4.06	0.755	0.810

Diagrams

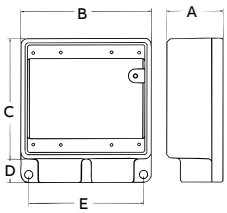


Fig. D dead-end

FSMG-TB

MULTI-GANG BOXES RAINTIGHT*

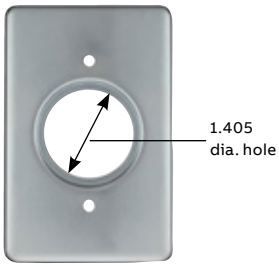
Cat. no.	Hub size (in.)	Unit qty.	Std. pkg.	Wt. lbs. per 100
FSMG-TB**	4 (threadless conduit	—	1	242

* Raintight when used with appropriate ABB covers and gaskets.
**Aluminum alloy A360 construction

Device boxes and covers

Covers


DSS100-TB



DS21-TB


DS23-TB


DS32-TB

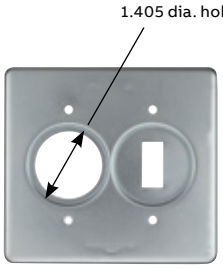
DS100G-TB

SINGLE-GANG COVERS

Cat. no.	Description
DSS100-TB	Blank, sheet steel
DS21-TB	Round receptacle, sheet steel
DS23-TB	Duplex receptacle, sheet steel
DS32-TB	Single switch, sheet steel
DS100G-TB	Blank, cast aluminum


S1002-TB


S32232-TB



S32212-TB


S232-TB


S322-TB

S1002GSA-TB

DOUBLE-GANG COVERS

Cat. no.	Description
S1002-TB	Blank, sheet steel
S32232-TB	2 receptacle/switch, sheet steel
S32212-TB	Single receptacle/switch, sheet steel
S232-TB	2 dual receptacle, sheet steel
S322-TB	2 switch, sheet steel
S1002GSA-TB	Blank, cast aluminum with gasket

Device boxes and covers

Aluminum device boxes and covers

01 CFSR-L

02 CFSTF

Application

- Industrial-grade FS/FD device boxes and raintight covers protect wiring devices, switches, electronic components and terminal blocks in dry, damp and wet locations
- Spacious, accessible wiring chamber provides a convenient location to maintain or change a system, pull conductors and make splices
- Junction for branch conduits
- Aluminum boxes can be used with steel rigid conduit

Features

- Copper-free* aluminum, stainless steel cover springs and hinge pins provide increased corrosion resistance
- Die-cast construction, boxes with securely fastened mounting plates and industrial designed covers combine to produce a rugged protective enclosure for devices on industrial and OEM applications
- Clean cover edges provide good gasket sealing
- Precision NPT threaded hubs allow trouble-free field installation for rigid or IMC conduit
- Clear UL, CSA and cubic content markings speed approval by inspectors
- Boxes – external hub design provides increased wiring room
- Covers ship complete with gaskets and screws

Standard materials

- Die-cast aluminum alloy A360 with less than 0.004% copper content (copper-free)
- Cover hinge pins and springs: stainless steel

Standard finish

- Aluminum lacquer finish

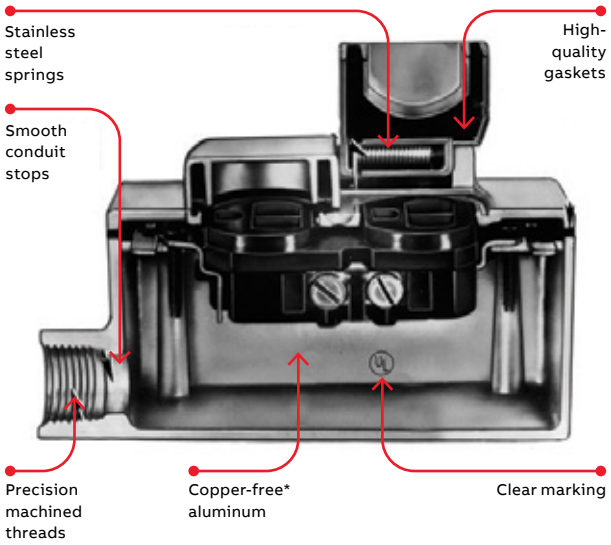
Listings/compliances

- UL listed
- Boxes CSA certified with factory-installed ground screw **
- Covers are UL and CSA or cULus
- Federal Spec. W-C-586

Sample specifications

- Industrial-grade FS/FD device boxes and covers shall be die-cast copper-free* aluminum alloy A360. All conduit stops shall be coined and free of rough edges. Raintight covers shall have stainless steel springs and hinge pins and be suitable for use in wet locations with cover closed (CFSB, CFST and CFSTF suitable for wet locations). Industrial-grade FS/FD device boxes and covers shall be finished with aluminum lacquer. Industrial-grade FS/FD device boxes and covers shall be ABB catalog no. _____.

* Less than 0.004% copper content
** Consult factory for lead time and minimum quantity



Device boxes and covers

Aluminum single- and double-gang covers

CWPDR-FS

CFSR-L

CFSH-G

CFSR-G

CFSTF

CFSB

SINGLE-GANG COVERS — RAINTIGHT*

Cat. no.	Description	Unit qty.	Std. pkg.	Wt. lbs. per 100
For duplex receptacles, horizontal				
CWPDR-FS*	Box mount	1	25	40

*Raintight when used with appropriate ABB boxes and gaskets.
Suitable for use in wet locations with cover closed – NEMA 3R.

Cat. no.	Nominal size (in.)	Max. device face dia. (in.)	Unit qty.	Std. pkg.	Wt. lbs per 100
For single receptacles, vertical (box mount only)					
CFSR-L*	1 9/16	1.600	1	25	40

*Raintight when used with appropriate ABB boxes and gaskets.
Suitable for use in wet locations with cover closed – NEMA 3R.

Cat. no.	Description	Unit qty.	Std. pkg.	Wt. lbs per 100
For GFCI receptacles, horizontal				
CFSH-G*	Box mount	1	25	40

*Raintight when used with appropriate ABB boxes and gaskets.
Suitable for use in wet locations with cover closed – NEMA 3R.

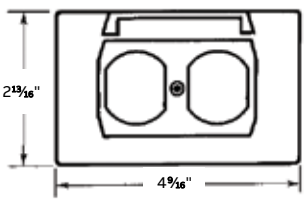
Cat. no.	Description	Unit qty.	Std. pkg.	Wt. lbs per 100
Device mount				
CFSR-G*	Box mount	1	25	40

*Raintight when used with appropriate ABB boxes and gaskets.
Suitable for use in wet locations with cover closed – NEMA 3R.

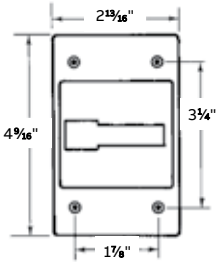
Cat. no.	Description	Unit qty.	Std. pkg.	Wt. lbs. per 100
Switch cover				
CFSTF*	Front lever, switch cover, box mount NEMA 4	1	25	40
Blank cover				
CFSB*	Blank cover, box mount, NEMA 3R	1	25	14

*Raintight when used with appropriate ABB boxes and gaskets.
Suitable for use in wet locations with cover closed – NEMA 3R.

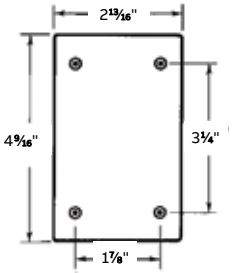
Diagrams



CWPDR-FS



CFSTF



CFSB

When you’re dealing with classified hazardous areas, ABB Installation Products has you covered with a wide selection of explosion-proof, dust ignition-proof conduit fittings.

09

Hazardous location fittings

Hazardous location fittings

GUA conduit outlet boxes

Application

GUA boxes can be used for hazardous location conduit runs for the following:

- Allows for mounting of fixture outlets (when used with appropriate covers)
- Provides easy access to wiring
- Provides junction in conduit for wire pulling and splices
- Changes direction in rigid conduit systems
- Attaches two or more pieces of conduit in long runs
- Guards against damage to wires in rigid conduit

Features

- All hubs have a minimum of five full threads and integral bushing
- All boxes are furnished with internal grounding screw
- Cover supplied with O-ring gasket

Size range

- ½" NPT to 2" NPT
- Access opening 2" to 5" diameter

Materials

- Bodies: Grade 60-45-10 ductile iron (complies with ASTM standard A536)
- Covers: Die-cast aluminum

Finish

- Boxes: Zinc-plated with aluminum acrylic paint
- Covers: Natural

Listings/compliances

- UL514A (wet locations when used with gasketed covers)
- UL 1203
- CSA: C22.2 No. 30
- Cl. I, Div. 1 & 2, Groups C, D, Cl. II, Div. 1, Groups E, F, G, Cl. III, Div. 1 & 2
- NEMA 3, 4, 7 CD, 9 EFG
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

GUA

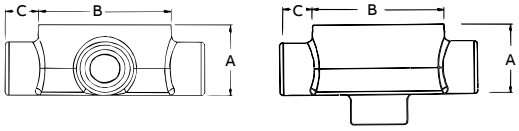
Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUA14-TB	½	1.81	2.50	0.88	0.570	0.610	5.5
GUA16-TB	½	2.00	3.50	0.88	0.570	0.610	13.5
GUA24-TB	¾	2.00	2.50	0.88	0.755	0.810	5.3
GUA26-TB	¾	2.00	3.50	0.88	0.755	0.810	13.3
GUA36-TB	1	2.31	3.50	0.88	0.935	1.035	16.2
GUA47-TB	1¼	2.69	4.38	1.00	1.260	1.360	29
GUA59-TB	1½	3.81	5.75	1.06	1.470	1.590	70

GUAB

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAB14-TB	½	2.25	2.50	0.88	0.570	0.610	6.9
GUAB16-TB	½	2.00	3.50	0.88	0.570	0.610	13.5
GUAB24-TB	¾	2.50	2.50	0.88	0.755	0.810	7.9
GUAB26-TB*	¾	2.00	3.50	0.88	0.755	0.810	13.5
GUAB36-TB*	1	2.31	3.50	1.00	0.935	1.035	15.4
GUAB47-TB	1¼	2.69	4.38	1.00	1.260	1.360	27.5
GUAB59-TB	1½	3.81	5.75	1.06	1.470	1.590	73.6
GUAB69-TB	2	4.06	5.75	1.06	1.880	2.047	80
GUAB79-TB	2½	4.06	5.75	1.13	2.320	2.380	98

*Available in stainless steel 316, cULus listed.

Diagrams



Hazardous location fittings

GUA conduit outlet boxes

GUAC

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAC14-TB	½	2.25	2.50	0.88	0.570	0.610	6.8
GUAC16-TB	½	2.00	3.50	0.88	0.570	0.610	13.1
GUAC24-TB	¾	2.00	2.50	0.88	0.755	0.810	5.3
GUAC26-TB*	¾	2.00	3.50	0.88	0.755	0.810	13.3
GUAC36-TB*	1	2.31	3.50	0.88	0.935	1.035	16.2
GUAC47-TB	1¼	2.69	4.38	1.00	1.260	1.360	29.3
GUAC49-TB	1¼	3.81	5.75	1.00	1.260	1.360	73.6
GUAC59-TB	1½	3.81	5.75	1.06	1.470	1.590	74
GUAC69-TB	2	4.06	5.75	1.06	1.880	2.047	77.8

*Available in stainless steel 316, cULus listed.

GUAD

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAD14-TB	½	1.81	2.50	0.88	0.570	0.610	5.6
GUAD16-TB	½	2.00	3.50	0.88	0.570	0.610	12.5
GUAD24-TB	¾	2.00	2.50	0.88	0.755	0.810	5.2
GUAD26-TB	¾	2.00	3.50	0.88	0.755	0.810	13.1
GUAD36-TB	1	2.31	3.50	0.88	0.935	1.035	16
GUAD49-TB	1¼	3.81	5.75	1.00	1.260	1.360	76

GUAL

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAL14-TB	½	2.25	2.50	0.88	0.570	0.610	7.1
GUAL16-TB	½	2.00	3.50	0.88	0.570	0.610	13.4
GUAL24-TB	¾	2.00	2.50	0.88	0.755	0.810	5.3
GUAL26-TB*	¾	2.00	3.50	0.88	0.755	0.810	13.3
GUAL36-TB*	1	2.31	3.50	0.88	0.935	1.035	16.2
GUAL47-TB	1¼	2.69	4.38	1.00	1.260	1.360	30
GUAL49-TB	1¼	3.81	5.75	1.00	1.260	1.360	74.5
GUAL59-TB	1½	3.81	5.75	1.06	1.470	1.590	74
GUAL69-TB	2	4.06	5.75	1.06	1.880	2.047	77.8

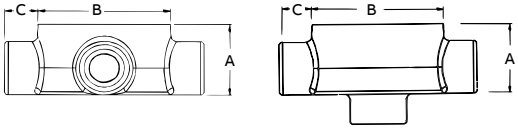
*Available in stainless steel 316, cULus listed.

GUAT

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAT14-TB	½	2.25	2.50	0.88	0.570	0.610	7
GUAT16-TB	½	2.00	3.50	0.88	0.570	0.610	13.5
GUAT24-TB	¾	2.00	2.50	0.88	0.755	0.810	5.3
GUAT26-TB*	¾	2.00	3.50	0.88	0.755	0.810	13.3
GUAT36-TB*	1	2.31	3.50	1.00	0.935	1.035	15.9
GUAT37-TB	1	2.31	3.50	0.88	0.935	1.035	23.3
GUAT47-TB	1¼	2.69	4.38	1.00	1.260	1.360	29.3
GUAT49-TB	1¼	3.81	5.75	1.00	1.260	1.360	77.2
GUAT59-TB	1½	3.81	5.75	1.06	1.470	1.590	77.7
GUAT69-TB	2	4.06	5.75	1.06	1.880	2.047	77.8
GUAT79-TB	2½	4.06	5.75	1.06	2.320	2.380	95

*Available in stainless steel 316, cULus listed.

Diagrams



Hazardous location fittings

GUA conduit outlet boxes

GUAM

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAM14-TB	½	1.81	2.50	0.88	0.570	0.610	5.6
GUAM16-TB	½	2.00	3.50	0.88	0.570	0.610	12.5
GUAM24-TB	¾	2.00	2.50	0.88	0.755	0.810	6.2
GUAM26-TB	¾	2.00	3.50	0.88	0.755	0.810	12.5
GUAM36-TB	1	2.31	3.50	0.88	0.935	1.035	14
GUAM47-TB	1¼	2.69	4.38	1.00	1.260	1.360	29.2
GUAM69-TB	2	4.06	5.75	1.06	1.880	2.047	80

GUAW

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAW14-TB	½	1.81	2.50	0.88	0.570	0.610	5.2
GUAW16-TB	½	2.00	3.50	0.88	0.570	0.610	13
GUAW24-TB	¾	2.00	2.50	0.88	0.755	0.810	6.5
GUAW26-TB	¾	2.00	3.50	0.88	0.755	0.810	13

GUAN

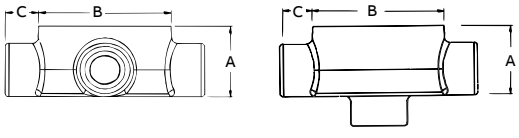
Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAN14-TB	½	2.13	2.50	0.88	0.570	0.610	6.8
GUAN16-TB	½	2.00	3.50	0.88	0.570	0.610	13.5
GUAN24-TB	¾	2.31	2.50	0.88	0.755	0.810	7.7
GUAN26-TB	¾	2.00	3.50	0.88	0.755	0.810	14
GUAN36-TB	1	2.31	3.50	0.88	0.935	1.035	16.9
GUAN47-TB	1¼	2.69	4.38	1.00	1.260	1.360	31.5
GUAN59-TB	1½	4.06	5.75	1.06	1.470	1.590	84
GUAN69-TB	2	4.06	5.75	1.06	1.880	2.047	84

GUAX

Cat. no.	Hub size (in.)	Dimensions (in.) A	B	C	Throat dia. (in.) Min.	Max.	Cu. in. capacity
GUAX14-TB	½	1.81	2.50	0.88	0.570	0.610	5.2
GUAX16-TB	½	2.00	3.50	0.88	0.570	0.610	13.5
GUAX24-TB	¾	2.00	2.50	0.88	0.755	0.810	5.3
GUAX26-TB*	¾	2.00	3.50	0.88	0.755	0.810	13.3
GUAX36-TB*	1	2.31	3.50	1.00	0.935	1.035	16
GUAX37-TB	1	2.31	3.50	0.88	0.935	1.035	23.3
GUAX47-TB	1¼	2.69	4.38	1.00	1.260	1.360	30
GUAX49-TB	1¼	3.81	5.75	1.00	1.260	1.360	72
GUAX59-TB	1½	3.81	5.75	1.06	1.470	1.590	71
GUAX69-TB	2	4.06	5.75	1.06	1.880	2.047	77.8

*Available in stainless steel 316, cULus listed.

Diagrams



Hazardous location fittings

Aluminum external hubs

01 GALB

Application

- Junction for branch conduits in hazardous locations
- Accessible wiring chamber provides a convenient location to maintain or change a system, pull conductors and make splices
- Unique mounting pads and external hub design ideal for installations of OEM devices or instruments

Features

- Copper-free* aluminum provides increased corrosion resistance
- Precision cast and machined surfaces permit safer wire pulling
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Die-cast construction and industrial design combine to produce a rugged protective enclosure for devices on industrial and OEM applications
- Clear UL, CSA and cubic content markings speed approval by inspectors

Standard materials

- Die-cast aluminum alloy A360 with less than 0.004% copper content (copper-free)

Standard finish

- Aluminum lacquer finish

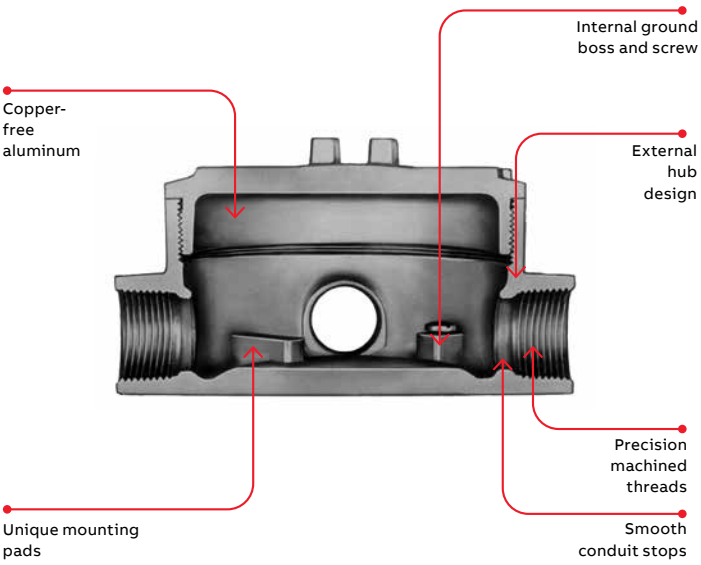
Listings/compliances

- UL listed
- CSA certified
- Suitable for hazardous locations
- NEMA 4 rated when ordered with O-ring installed
- Federal Spec W-C-586
- CI.I, Div. 1 & 2, Groups C, D
  CI.II, Div. 1, Groups E, F, G
  CI.III, Div. 1 & 2
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

Sample specifications

Outlet boxes for hazardous locations shall be die-cast copper-free* aluminum alloy A360 and suitable for use in Class I, Groups C, D, Class II, Groups E, F, G and Class III areas. All conduit stops shall be coined and free of rough edges. Outlet boxes for hazardous locations shall be finished with aluminum lacquer. Outlet boxes shall be ABB catalog no. _____.

*Less than 0.004% copper content.



Hazardous location fittings

Aluminum external hubs with installed green ground screw

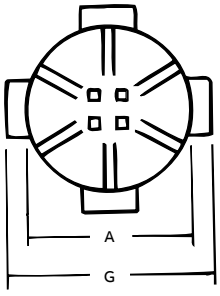
LB-STYLE WITH SURFACE COVER

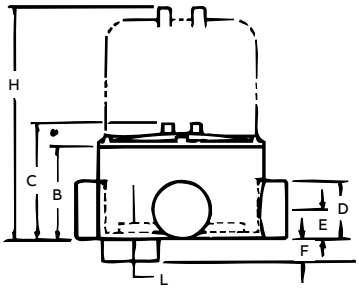
	Cat. no.	Hub size (in.)	Unit qty.	Std. pkg.	Wt. lbs. per 100
	GALB-2	¾	1	5	115

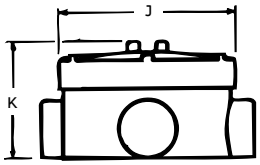
GALB DIMENSIONS

Cover opening	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	G	H	J	K	L	Capacity (cu in.)
3 11/16	¾	4	2 1/4	2 15/16	1 3/8	11/16	11/16	5 3/16	5 9/16	4 3/16	3 5/16	9/16	18.8

Diagrams







Dimensions when GAJ cover is used

Hazardous location fittings

EXUN series aluminum internal hubs

01 EXUN

02 EXUNL

Application

- Junction for branch conduits in hazardous locations
- Accessible wiring chamber provides a convenient location to maintain or change a system, pull conductors and make splices
- Internal hub design ideal for installation where space is limited

Features

- Copper-free* aluminum provides increased corrosion resistance
- Precision cast and machined surfaces permit safer wire pulling
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Die-cast construction and industrial design combine to produce a rugged protective enclosure for devices on industrial and OEM applications
- Clear UL, CSA and cubic content markings speed approval by inspectors

Standard materials

- Die-cast aluminum alloy A360 with less than 0.004% copper content (copper-free)

Standard finish

- Aluminum lacquer finish

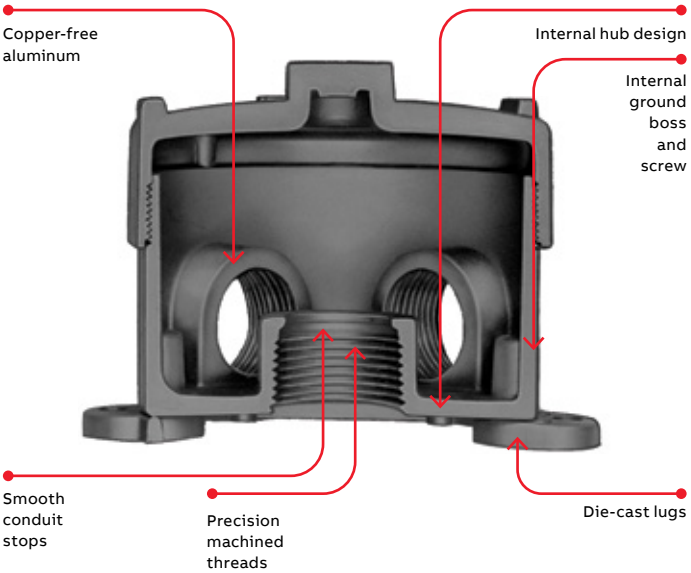
Listings/compliances

- UL listed
- CSA certified
- Suitable for hazardous locations
- Federal Spec W-C-586
- CI.I, Div. 1 & 2, Groups C, D
  CI.II, Div. 1, Groups E, F, G
  CI.III, Div. 1 & 2
- NEMA 3, 4, 7 CD, 9 EFG
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

Sample specifications

Outlet boxes for hazardous locations shall be die-cast copper-free* aluminum alloy A360 and suitable for use in Class I, Groups C, D, Class II, Groups E, F, G and Class III areas. All conduit stops shall be coined and free of rough edges. Outlet boxes for hazardous locations shall be finished with aluminum lacquer. Outlet boxes shall be ABB catalog no. _____.

*Less than 0.004% copper content.



Hazardous location fittings

EXUN series aluminum internal hubs

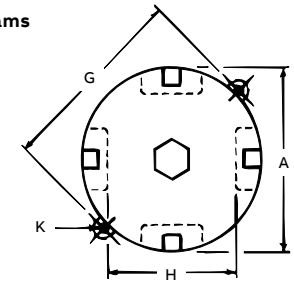
5-HOLE ALUMINUM BOX

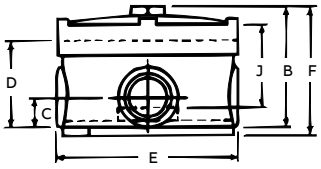
Cat. no.	Hub size (in.)	Description	Unit qty.	Std. pkg.	Wt. lbs. per 100
EXUN-1	½	(5) Outlets	1	5	140

EXUN DIMENSIONS

Hub size (in.)	Dimensions (in.)										Capacity (cu in.)
	A	B	C	D	E	F	G	H	J	K	
½	3 31/32	3 1/8	2 21/32	2 1/16	4	3 3/8	4 1/4	1 1/4	1 9/16	17/64	20.3

Diagrams





Hazardous location fittings

GASS series aluminum internal hubs

01 GASS

Application

- Junction for branch conduits in hazardous locations
- Accessible wiring chamber provides a convenient location to maintain or change a system, pull conductors and make splices

Features

- Copper-free* aluminum alloy provides increased corrosion resistance
- Extra-wide 3¾" opening provides more hand space for easy access to the wiring chamber
- Precision cast and machined surfaces permit safer wire pulling
- Large capacity 31 cu.-in. chamber provides more wiring space
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Sand-cast construction and industrial design combine to produce a rugged protective enclosure for devices on industrial and OEM applications
- Clear UL, CSA and cubic content markings speed approval by inspectors
- Hub spacing enables use of EXFU and EXMU unions

Standard materials

- Box — sand-cast aluminum alloy A356. 2-T6
- Cover — die-cast aluminum alloy A360 with less than 0.004% copper content (copper-free)

Standard finish

- Aluminum lacquer finish

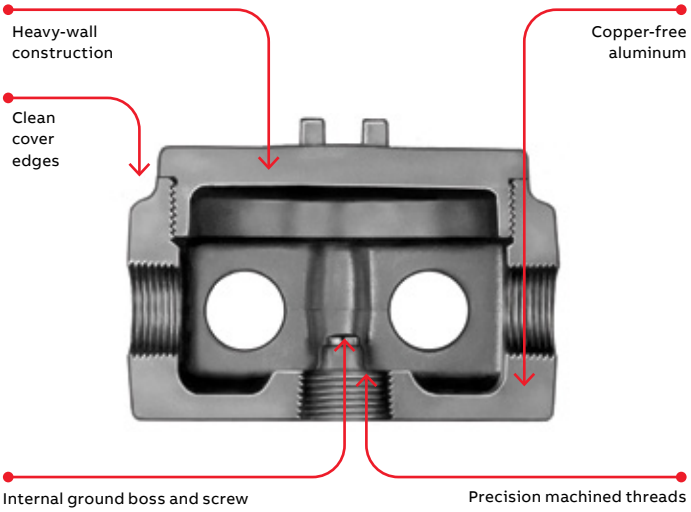
Listings/compliances

- UL listed
- CSA certified
- NEC
- CI.I, Div. 1 & 2, Groups C, D
  CI.II, Div. 1, Groups E, F, G
  CI.III, Div. 1 & 2
- NEMA 3, 4, 7 CD, 9 EFG
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

Sample specifications

Enclosure for hazardous locations. The box shall be cast copper-free* aluminum alloy A356.2-T6. Suitable for use in hazardous locations: Suitable for use in Class I, Groups C, D; Class II, Groups E, F, G; and Class III areas. Enclosures shall be finished with aluminum lacquer. Outlet boxes shall be ABB catalog no. _____.

*Less than 0.004% copper content.



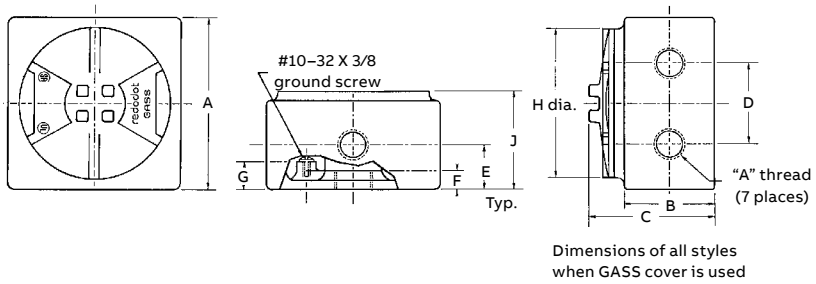
Hazardous location fittings

GASS series aluminum internal hubs

GASS INTERNAL HUBS WITH INSTALLED GREEN GROUND SCREW, COVER AND PLUGS

Cat. no.	Hub size (in.)	Unit qty.	Std. pkg.	Wt. lbs. per 100
GASS-2	¾	1	5	278

Diagrams



Dimensions of all styles when GASS cover is used

GASS DIMENSIONS

Cover opening (in.)	Hub size (in.)	Dimensions (in.) A	B	C	D	E	F	G	H	J	Capacity (cu in.)
4	¾	4⅝	2⅜	3⅜	2 3/16	1 3/16	½	¾	4	2⅝	31

Hazardous location fittings

GUP explosion-proof enclosure

Perfect for the petrochemical industry.

ABB has developed an innovative solution ideally suited for gas station contractors and the petrochemical market – the GUP explosion-proof enclosure. The compact design makes gas station pumps an ideal application due to space constraints. Two different configurations are available and the body is constructed of ductile iron for superior strength. Rely on ABB to deliver the best products when safety is a concern.

Features
- Compact design
- O-ring gasket standard for raintight applications
- Supplied with conduit plugs:
  - Three plugs for GUP215-TB
  - Seven plugs for GUP214-TB

Materials
Ductile iron body for superior strength, copper-free cast aluminum (A6) cover and neoprene gasket (O-ring)

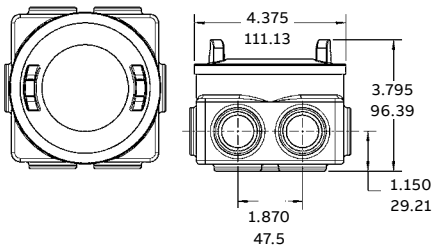
Standard finish
- Ductile iron — electrogalvanized and aluminum acrylic paint
- Copper-free aluminum cover — natural

Listings/compliances
- UL 1203 listed
- CSA Standard C22.2
- Cl. I, Div. 1 & 2, Groups C, D
  Cl. II, Div. 1, Groups E, F, G
  Cl. III, Div. 1 & 2
- NEMA 3, 4, 7 CD, 9 EFG
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

GUP EXPLOSION-PROOF ENCLOSURE

Cat. no.	Description	Std. pkg. qty.
GUP214-TB	Junction box — (10) hubs (¾" NPT): (2) in top, (2) in bottom, (1) in each side, (4) in back	1
GUP215-TB	Junction box — (6) hubs (¾" NPT): (2) in top, (2) in bottom, (1) in each side	1

Diagram



Hazardous location fittings

OE series iron conduit outlet bodies

Application

OE series conduit outlet bodies are installed in conduit systems within hazardous areas to:

- Protect conductors in threaded rigid conduit
- Act as pulling and splice fittings
- Interconnect lengths of conduit
- Change direction of conduit
- Provide access for maintenance and future system changes

Features

- Tapered threaded hubs for ground continuity
- Smooth integral hub bushings to protect conductor insulation when pulling
- Five different hub arrangements
- Accurately machined body with blind tapped screw holes
- Sizes up to 1"

Standard materials

- Bodies: Grade 60-45-10 ductile iron (complies with ASTM standard A536)

Standard finish

- Electrogalvanized and aluminum acrylic paint

Size ranges

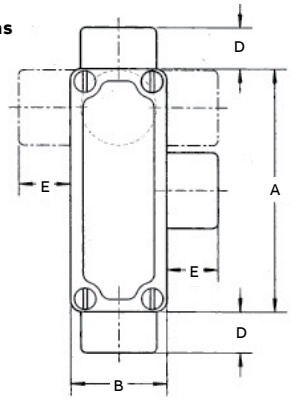
- Hub – ½" and ¾"

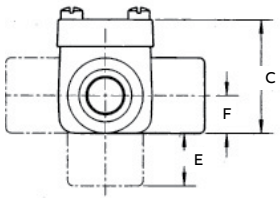
Listings/compliances

- CI. I, Div. 1 & 2, Groups C, D
  CI. II, Div. 1, Groups E, F, G
  CI. III, Div. 1 & 2
- NEMA 3, 4, 7 CD, 9 EFG
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

		Dimensions (in.)					
Cat. no.	**Hub size (in.)**	**A**	**B**	**C**	**D**	**E**	**F**
OEC1-TB	½	4.06	1.62	1.90	0.69	0.88	0.63
OEC2-TB	¾	4.35	1.88	2.19	0.69	0.88	0.76
OET1-TB	½	4.06	1.62	1.90	0.69	0.88	0.63
OET2-TB	¾	4.35	1.88	2.19	0.69	0.88	0.76
OELL1-TB	½	4.06	1.62	1.90	0.69	0.88	0.63
OELR1-TB	½	4.06	1.62	1.90	0.69	0.88	0.63
OELB1-TB	½	4.06	1.62	1.90	0.69	0.88	0.63
OELB2-TB	¾	4.35	1.88	2.19	0.69	0.88	0.76

Diagrams





Hazardous location fittings

Capped elbow – female-to-female

These elbows provide maximum volume for bends within a compact overall size.

Application

LBY series elbows are installed in conduit systems within hazardous areas to:

- Make 90° bends in conduit systems where space is limited
- Act as pull outlets
- Provide access to conductors for maintenance and future system changes

Features

- Maximum volume for bends within a compact overall size
- Screw-on cover for ease of installation and removal
- Cover opening on an angle, permitting conductors to be pulled straight through either hub
- Tapered threaded hubs and integral bushing for rigid threaded conduit

Standard materials

- LBY ductile iron

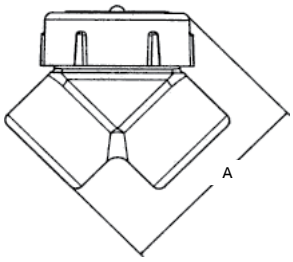
Listings/compliances (LBY)

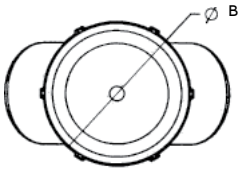
- CI. I, Div. 1 & 2, Groups C, D
  CI. II, Div. 1, Groups E, F, G
  CI. III, Div. 1 & 2
- NEMA 3, 4, 7 CD, 9 EFG
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

CAPPED IRON ELBOW — FEMALE TO FEMALE

Cat. no.	Hub size (in.)	A	B	Throat dim. Min.	Throat dim. Max.
LBY15-TB	½	2 9/16	2	0.570	0.610
LBY25-TB	¾	2 13/16	2 ¼	0.755	0.810
LBY35-TB	1	3 3/32	2 ½	0.955	1.035
LBY45-TB	1 ¼	3 ¾	2 15/16	1.260	1.360
LBY55-TB	1 ½	4 ¼	3 ⅜	1.470	1.590
LBY65-TB	2	5 ½	4	1.880	2.047

Diagrams





Hazardous location fittings

Reducers, plugs and adapters

Application
- RE and REC reducers are used in threaded heavy-wall conduit systems
- RE reduces conduit hubs to a smaller size
- REC connects two different sizes of conduit together or is used to replace a coupling and reducer in an installation
- PLG plugs are used for closing threaded conduit hubs

Features
- All hubs have NPT threads with a minimum of five full threads and integral bushing for preventing damage to wires

Materials
- Machined reducers: Steel
- Cast reducers: Gray iron or stainless steel 316 (add suffix "-SST" instead of "-TB" for SS option)
- Funnel reducers: Iron
- Recessed plugs: Gray iron
- Recessed plugs: Copper-free aluminum

Standard finishes
- Cast: Zinc plated with aluminum acrylic paint
- Machined: Zinc plated with clear chromate finish
- Stainless steel: Polished

Listings/compliances
- UL 1203
- CSA C22.2 No.30
- Cl. I, Div. 1 & 2, Groups A, B, C, D
  Cl. II, Div. 1, Groups E, F, G
  Cl. III, Div. 1 & 2
- Explosion-proof
- Dust-ignition-proof
- For hazardous and non-hazardous locations
- Stainless steel 316 versions are cULus
- Stainless steel versions are not rated explosion-proof

REDUCING BUSHINGS – NOW AVAILABLE IN STAINLESS STEEL 316

Cat. no. Steel	SS316	A male (NPT) (in.)	B female (NPT) (in.)
RE21-TB	RB21SST	¾	½
RE31-TB	RB31SST	1	½
RE32-TB	RB32SST	1	¾
RE41-TB	–	1¼	½
RE42-TB	RB42SST	1¼	¾
RE43-TB	RB43SST	1¼	1
RE51-TB	–	1½	½
RE52-TB	–	1½	¾
RE53-TB	–	1½	1
RE54-TB	–	1½	1¼
RE61-TB	–	2	½
RE62-TB	–	2	¾
RE63-TB	–	2	1
RE64-TB	–	2	1¼
RE65-TB	RB65SST	2	1½

Cat. no. Steel	SS316	A male (NPT) (in.)	B female (NPT) (in.)
RE73-TB	–	2½	1
RE74-TB	–	2½	1¼
RE75-TB	–	2½	1½
RE76-TB	RB76SST	2½	2
RE83-TB	–	3	1
RE84-TB	–	3	1¼
RE85-TB	–	3	1½
RE86-TB	–	3	2
RE87-TB	–	3	2½
RE96-TB	–	3½	2
RE97-TB	–	3½	2½
RE98-TB	–	3½	3
RE106-TB	–	4	2
RE107-TB	–	4	2½
RE108-TB	–	4	3

Hazardous location fittings

Reducers, plugs and adapters

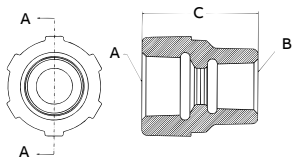
RECESSED PLUGS

Cat. no.	Threads (NPT) (in.)
With flush head for hazardous and non-hazardous locations	
PLG1-TB	½
PLG2-TB	¾
PLG3-TB	1
PLG4-TB	1¼
PLG5-TB	1½
PLG6-TB	2
PLG7-TB	2½
PLG8-TB	3
PLG9-TB	3½
PLG10-TB	4

REC SERIES REDUCERS

Cat. no.	A (NPT) (in.)	B (NPT) (in.)	C (in.)
Funnel-shaped reducers for hazardous and non-hazardous locations			
REC21-TB	¾	½–14	1⅞
REC31-TB	1	½–14	2
REC32-TB	1	¾–14	2

Diagrams



Hazardous location fittings

UN series three-piece unions

Application

UNY and UNF unions are installed in threaded thickwall conduit systems:

- UNY – to connect conduit to a conduit fitting, junction box or device enclosure
- UNF – to connect conduit to conduit, or to provide a means for future modification of the conduit system
- No need to turn conduit

Standard finishes

- Steel – electrogalvanized with chromate treatment
- Iron alloy, malleable iron – electrogalvanized and aluminum acrylic paint

Listings/compliances

- NEC/CEC
- Class I, Division 1 & 2, Groups A, B, C, D
  Class II, Division 1, Groups E, F, G
  Class III
  - UNF, UNY ½" – 1"
- UL – Conduit unions for use in cat. nos. UNF/UNY followed by 105, 205, or 305; for use in:
  - Class I, Division 1 & 2, Groups A, B, C, D
    Class II, Division 1, Groups E, F, G
    Class III
  - UNF, UNY ½", ¾", 1"
- CSA – Conduit unions for use in cat. nos. UNF/UNY followed by 105, 205, 305, 405 or 505; for use in:
  - Class I, Division 1 & 2, Groups B, C, D
    Class II, Division 1, Groups E, F, G
    Class III
  - UNF, UNY ½", ¾", 1", 1¼", 1½"
- UL – Conduit unions for use in cat. nos. UNF/UNY followed by 405 or 505; for use in:
  - Class I, Division 1 & 2, Groups B, C, D
    Class II, Division 1, Groups E, F, G
    Class III
  - UNF, UNY 1¼", 1½"
- UL and CSA – Conduit unions for use in cat. nos. UNF/UNY, EL series followed by 605, 905 or 1005; for use in:
  - Class I, Division 1 & 2, Groups C, D
    Class II, Division 1, Groups E, F, G
    Class III
  - UNF, UNY 2", 2½", 3", 3½", 4"

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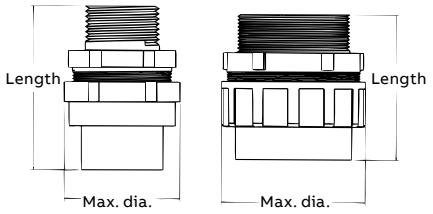
Hazardous location fittings

UN series three-piece unions

UNY MALE UNIONS

Cat. no.	Trade size (in.)	Overall length (in.)	Overall dia. (in.)
For hazardous and non-hazardous locations			
UNY105-TB	½	2 25/64	1½
UNY205-TB	¾	2 7/16	1 13/16
UNY305-TB	1	2¾	2
UNY405-TB	1¼	3 1/16	2¾
UNY505-TB	1½	3⅝	3 1/16
UNY605-TB	2	3½	3 13/16
UNY705-TB	2½	4 13/16	4 5/16
UNY805-TB	3	5 11/32	5 1/16
UNY905-TB	3½	5½	5 11/16
UNY1005-TB	4	5⅝	6 3/16

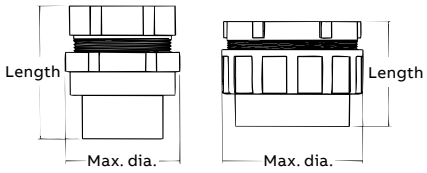
Diagram



UNF FEMALE UNIONS

Cat. no.	Trade size (in.)	Overall length (in.)	Overall dia. (in.)
For hazardous and non-hazardous locations			
UNF105-TB†	½	1⅞	1½
UNF205-TB†	¾	2⅛	1 13/16
UNF305-TB†	1	2 5/32	2
UNF405-TB††	1¼	2¼	2¾
UNF505-TB††	1½	2¾	3 1/16
UNF605-TB†††	2	2½	3 13/16
UNF705-TB†††	2½	3½	4 5/16
UNF805-TB†††	3	4	5 1/16
UNF905-TB†††	3½	4 5/32	5 11/16
UNF1005-TB†††	4	4¼	6 3/16

Diagram



† Steel
†† Forged steel
††† Malleable iron

Hazardous location fittings

EYD drain seals

- Cl. I, Div. 1 & 2, Groups A, B, C, D
- Cl. II, Div. 1, Groups E, F, G
- Cl. III, Div. 1 & 2

Application

EYD drain and inspection sealing fittings:

- Restrict the passage of gases, vapors or flames from one portion of the electrical installation to another at atmospheric pressure and normal ambient temperatures
- Limit explosions to the sealed-off enclosure
- Prevent precompression or “pressure piling” in conduit systems
- Drain sealing fittings are installed in vertical conduit runs and at low points in conduit systems to prevent accumulation of condensate above seal

Features

EYD drain sealing fittings include:

- Drain to provide continuous, automatic drainage of condensate
- Large openings with threaded closures to provide easy access to conduit hubs for making dams
- Integral bushings to protect conductor insulation from damage
- Tapered-tapped hubs to ensure ground continuity

Standard materials

- Bodies and drain covers – gray iron alloy and/or ductile iron
- Closure for drain – copper-free aluminum or ductile iron
- Small closure plug – gray iron alloy and/or steel
- Drain – stainless steel
- Removable nipples – steel

Standard finish

- Gray iron alloy and ductile iron – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural
- Steel – electrogalvanized

Options

- Copper-free aluminum bodies, nipples and enclosures – see listings

Size ranges

- EYD – ½"–4"

Listings/compliances

- EYD11-TB to EYD31-TB
  - Class I, Division 1 & 2, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III
- EYD41-TB to EYD101-TB
  - Class I, Division 1 & 2, Groups C, D; Class II, Division 1, Groups E, F, G
  - Class II, Division 2, Groups F, G
  - Class III
- UL Standard: 1203
- CSA Standard: C22.2
- NEMA 3, 4, 7 CD, 9 EFG
- Explosion-proof
- Dust-ignition-proof
- Raintight
- Wet locations

Sealing compound and fibers

- Seal A3 (1-lb. can of sealing compound)
- Fiber X6 (8-oz. fiber packing)
- Seal kit (1-lb. can of sealing compound and 1-oz. fiber packing)

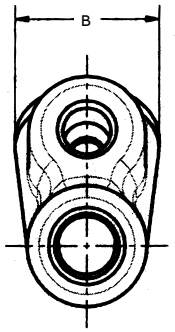
Hazardous location fittings

EYD drain seals and ECD drains/breathers

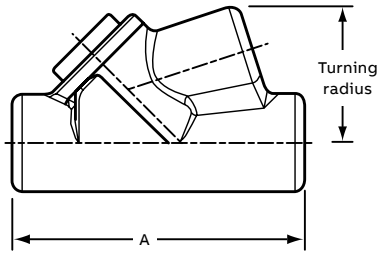
EYD DRAIN SEALS

Cat. no.	Hub size (in.)	Dimensions (In.) A	Dimensions (In.) B	Turning radius (in.)
EYD11-TB	½	3.81	1.50	1.75
EYD21-TB	¾	4.08	1.75	1.98
EYD31-TB	1	4.85	2.19	2.19
EYD41-TB	1¼	5.00	2.25	1.80
EYD51-TB	1½	5.44	2.44	2.00
EYD61-TB	2	6.25	3.00	2.32
EYD71-TB	2½	7.50	3.50	2.69
EYD81-TB	3	8.50	4.25	3.15
EYD91-TB	3½	9.19	4.75	3.38
EYD101-TB	4	9.75	5.25	3.64

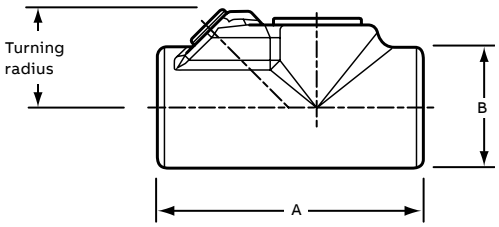
Diagrams



EYD ½" – 1"



EYD ½" – 1"



EYD 1¼" – 4"

Drains/breathers for hazardous locations

Application

- The ABB universal drain/breather fittings can be used as drains or breathers depending on the installation.
- To use as a drain, the product must be installed in the bottom of the enclosure or the lowest point where an NPT threaded opening exists. It can also be used in a seal fitting or a "T" conduit body. These must be in a lower section of the conduit system. This will enable moisture inside the conduit system to drain out.
- To use as a breather, installation should be done at the top of an enclosure or in upper sections of conduit systems. This will permit air exchange and keep moisture accumulation inside the conduit system to a minimum. ABB recommends the use of at least two devices (one drain and one breather) for maximum efficiency.

Listings/compliances

- Cl. I, Div. 1 & 2, Groups B, C, D
- Cl. II, Div. 1, Groups E, F, G
- Cl. III, Div. 1 & 2

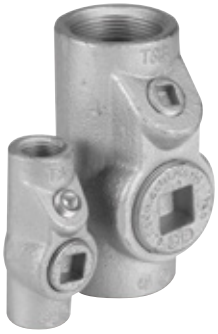
ECD DRAINS/BREATHERS

Cat. no.	Hub size (in.)	Dimensions (in.) B
ECD15-TB*	½	0.975
ECD284-TB	¼	0.327

* NEMA 4X rated.

Hazardous location fittings

EYS sealing fittings



Application
- EYS sealing fittings can be installed in either vertical or horizontal applications
- Seals sections of conduit runs from passage of vapors, flame or gases
- Seals off sections of conduit system during explosion
- Limits precompression or pressure piling in conduit system

Features
- All hubs have a minimum of five full threads, integral bushings to protect conductor insulation from damage and large access openings for easier packing of sealing medium
- Seals are approved to be used with Crouse-Hinds sealing compound and fiber

Size range
- ½" NPT to 4" NPT

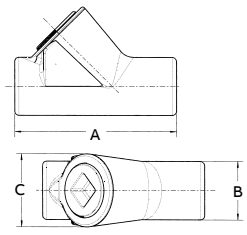
Materials
- Bodies: ductile iron
- Plugs: gray iron
- Nipples: steel, supplied with EYS fittings

Finish
- Bodies: zinc-plated with aluminum acrylic paint
- Plugs: zinc-plated with aluminum acrylic paint
- Nipples: zinc-plated

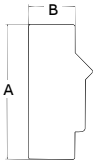
Sealing compound and fibers
- Seal A3 (1-lb. can of sealing compound)
- Fiber X6 (8-oz. fiber packing)
- Seal kit (1-lb. can of sealing compound and 1-oz. fiber packing)

Listings/compliances
- UL 1203
- CSA: C22.2 No. 30
- EYS seals are approved to be used with Crouse-Hinds® Chico® A compound and Chico® X fiber
- EYS1-3TB: Cl. I, Div. 1 & 2, Groups A, B, C, D
- EYS4-5TB: Cl. I, Div. 1 & 2, Groups C, D
- EYS11-31TB: Cl. I, Div. 1 & 2, Groups A, B, C, D Cl. II, Div. 1, Groups E, F, G; Cl. III
- EYS41-101TB: Cl. I, Div. 1 & 2, Groups C, D Cl. II, Div. 1, Groups E, F, G; Cl. III
- Explosion-proof
- Dust-ignition-proof

Diagrams	Cat. no.	Hub size (in.)	Dimensions (In.) A	B	C	Turning radius (in.)
	Vertical only					
	EYS1-TB	½	3.31	1.25	1.50	1.66
	EYS2-TB	¾	3.65	1.50	1.75	1.96
	EYS3-TB	1	4.25	1.75	2.19	2.40
	EYS4-TB	1¼	5.00	2.25	2.45	3.11
	EYS5-TB	1½	5.69	2.45	3.00	3.62
	Horizontal/vertical					
	EYS11-TB	½	3⅝	1¼	–	1 3/32
	EYS21-TB*	¾	3 21/32	1½	–	1¼
	EYS31-TB*	1	4¼	1¾	–	1 19/32
	EYS41-TB	1¼	5	2¼	–	1 13/16
	EYS51-TB	1½	5 7/16	2 7/16	–	2
	EYS61-TB	2	6¼	3	–	2 5/16
	EYS71-TB	2½	7½	3½	–	2 9/16
	EYS81-TB	3	8½	4¼	–	3 3/32
	EYS91-TB	3½	9 3/16	4¾	–	3⅜
	EYS101-TB	4	9¾	5¼	–	3 17/32



EYS1-TB – EYS5-TB



EYS11-TB – EYS101-TB

Hazardous location fittings

XP Flex™ explosion-proof stainless steel flexible couplings

Used to make flexible connections in hazardous locations.

Applications
- Used to achieve tight bends in conduit systems in confined spaces
- Can be used to connect stationary equipment to equipment that vibrates

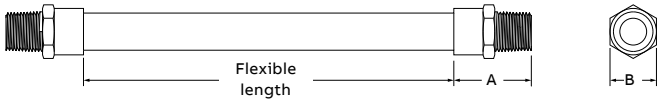
Features
- Corrosion-resistant design – ideal for washdown areas
- Flexible construction with arc-resistant inner sleeve
- Terminated with two threaded male end fittings
- NPT threads

Standard materials
- Body: Flexible stainless steel 316
- Fitting: Stainless steel 316

Listings/compliances
- cULus listed – UL 1203
- Class I Div 1 Groups A, B, C, D: ½"–¾"
- Class I Div 1 Groups C, D: 1"–2"
- Class II Div 1 Groups E, F, G: ½"–2"
- IP69 rated for wet locations

EXPLOSION-PROOF FLEXIBLE COUPLINGS – TYPE 316 STAINLESS STEEL

Diagrams



Cat. no.	Hub size (in.)	Flexible length (in.)	Dimensions (in.) A	Dimensions (in.) B
XPLFL16S	½	6	1.73	1.34
XPLFL18S	½	8	1.73	1.34
XPLFL110S	½	10	1.73	1.34
XPLFL112S	½	12	1.73	1.34
XPLFL115S	½	15	1.73	1.34
XPLFL118S	½	18	1.73	1.34
XPLFL121S	½	21	1.73	1.34
XPLFL124S	½	24	1.73	1.34
XPLFL127S	½	27	1.73	1.34
XPLFL130S	½	30	1.73	1.34
XPLFL133S	½	33	1.73	1.34
XPLFL136S	½	36	1.73	1.34
XPLFL24S	¾	4	1.73	1.77
XPLFL26S	¾	6	1.73	1.77
XPLFL28S	¾	8	1.73	1.77
XPLFL210S	¾	10	1.73	1.77
XPLFL212S	¾	12	1.73	1.77
XPLFL215S	¾	15	1.73	1.77
XPLFL218S	¾	18	1.73	1.77
XPLFL221S	¾	21	1.73	1.77
XPLFL224S	¾	24	1.73	1.77
XPLFL227S	¾	27	1.73	1.77
XPLFL230S	¾	30	1.73	1.77
XPLFL233S	¾	33	1.73	1.77
XPLFL236S	¾	36	1.73	1.77

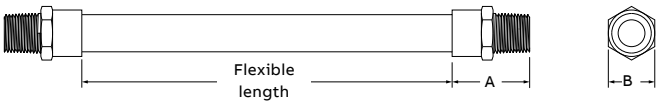
Note: Product must be installed in accordance with applicable national and local electrical codes.

Hazardous location fittings

XP Flex™ explosion-proof stainless steel flexible couplings

EXPLOSION-PROOF FLEXIBLE COUPLINGS – TYPE 316 STAINLESS STEEL

Diagrams



Cat. no.	Hub size (in.)	Flexible length (in.)	Dimensions (in.) A	Dimensions (in.) B
XPLFL36S	1	6	2.13	2.05
XPLFL38S	1	8	2.13	2.05
XPLFL310S	1	10	2.13	2.05
XPLFL312S	1	12	2.13	2.05
XPLFL315S	1	15	2.13	2.05
XPLFL318S	1	18	2.13	2.05
XPLFL321S	1	21	2.13	2.05
XPLFL327S	1	27	2.13	2.05
XPLFL330S	1	30	2.13	2.05
XPLFL333S	1	33	2.13	2.05
XPLFL336S	1	36	2.13	2.05
XPLFL412S	1¼	12	2.13	2.56
XPLFL415S	1¼	15	2.13	2.56
XPLFL418S	1¼	18	2.13	2.56
XPLFL421S	1¼	21	2.13	2.56
XPLFL424S	1¼	24	2.13	2.56
XPLFL427S	1¼	27	2.13	2.56
XPLFL430S	1¼	30	2.13	2.56
XPLFL433S	1¼	33	2.13	2.56
XPLFL436S	1¼	36	2.13	2.56
XPLFL512S	1½	12	2.56	3.19
XPLFL515S	1½	15	2.56	3.19
XPLFL518S	1½	18	2.56	3.19
XPLFL521S	1½	21	2.56	3.19
XPLFL524S	1½	24	2.56	3.19
XPLFL527S	1½	27	2.56	3.19
XPLFL530S	1½	30	2.56	3.19
XPLFL533S	1½	33	2.56	3.19
XPLFL536S	1½	36	2.56	3.19
XPLFL612S	2	12	2.6	3.19
XPLFL615S	2	15	2.6	3.19
XPLFL618S	2	18	2.6	3.19
XPLFL621S	2	21	2.6	3.19
XPLFL624S	2	24	2.6	3.19
XPLFL627S	2	27	2.6	3.19
XPLFL630S	2	30	2.6	3.19
XPLFL633S	2	33	2.6	3.19
XPLFL636S	2	36	2.6	3.19

Note: Product must be installed in accordance with applicable national and local electrical codes.

Classified hazardous locations with equipment that vibrates are the ideal application for T&B® Fittings XP Flex™ explosion-proof flexible couplings. Their Type 316 stainless steel construction is perfect for damp and corrosive environments.

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Technical information

Technical information

UL RECOMMENDED DIMENSIONS AND WEIGHTS OF RIGID METAL CONDUIT

Trade size (in.)	Thds. per in.	I.D. (in.)	O.D. (in.)	Wall thickness (in.)	Min. wt. at 100' length with one coupling attached (lbs.)
¼	18	0.364	0.540	0.088	38.5
⅜	18	0.493	0.675	0.091	51.5
½	14	0.622	0.840	0.109	79.0
¾	14	0.824	1.050	0.113	105.0
1	11½	1.049	1.315	0.133	153.0
1¼	11½	1.380	1.660	0.140	201.0
1½	11½	1.610	1.900	0.145	249.0
2	11½	2.067	2.375	0.154	332.0
2½	8	2.469	2.875	0.203	527.0
3	8	3.068	3.500	0.216	682.6
3½	8	3.548	4.000	0.226	831.0
4	8	4.026	4.500	0.237	972.3
4½	8	4.506	5.000	0.247	1,150.0
5	8	5.047	5.563	0.258	1,313.6
6	8	6.065	6.625	0.280	1,745.3

UL DIMENSIONS FOR INTERMEDIATE METALLIC CONDUIT† — TYPE I (10-FT. LENGTHS)

	O.D. (in.)		Wall thickness
Trade size (in.)	Min.	Max.	(in.)
½	0.810	0.820	0.070*
¾	1.024	1.034	0.075*
1	1.285	1.295	0.085*
1¼	1.630	1.645	0.085*
1½	1.875	1.890	0.090*
2	2.352	2.367	0.095*
2½	2.847	2.867	0.130**
3	3.466	3.486	0.130**
3½	3.961	3.981	0.130**
4	4.456	4.476	0.130**

* (+0.015. -0.000)
** (+0.020. -0.000)
† IMC threads are the same as rigid metal conduit threads.

UL DIMENSIONS FOR INTERMEDIATE METALLIC CONDUIT — TYPE II (10-FT. LENGTHS)

	O.D. (in.)		Wall thickness
Trade size (in.)	Min.	Max.	(in.)
½	0.825	0.840	0.085*
¾	1.035	1.050	0.085*
1	1.300	1.315	0.108*
1¼	1.645	1.660	0.108*
1½	1.885	1.900	0.108*
2	2.360	2.375	0.108*
2½	2.850	2.875	0.155**
3	3.475	3.500	0.155**
3½	3.975	4.000	0.160**
4	4.475	4.500	0.160**

* (+0.020. -0.000)
** (+0.025. -0.000)

UL RECOMMENDED DIMENSIONS AND WEIGHT OF ELECTRICAL METALLIC TUBING (EMT)

Trade size (in.)	O.D. (in.)	I.D.* (in.)	Wall thickness (in.)	Min. accept. wt. ft. (lbs.)
⅜	0.577 ± 0.005	0.493	0.042	0.230
½	0.706 ± 0.005	0.622	0.042	0.285
¾	0.922 ± 0.005	0.824	0.049	0.435
1	1.163 ± 0.005	1.049	0.057	0.640
1¼	1.510 ± 0.005	1.380	0.065	0.950
1½	1.740 ± 0.005	1.610	0.065	1.100
2	2.197 ± 0.005	2.067	0.065	1.400
2½	2.875 ± 0.010	2.731	0.072	2.050
3	3.500 ± 0.015	3.356	0.072	2.500
3½	4.000 ± 0.020	3.834	0.083	3.250
4	4.500 ± 0.020	4.334	0.083	3.700

* Not a requirement — included for information only.

Technical information

KNOCKOUT (SLIPHOLE) SIZES FOR ELECTRICAL CONDUITS AND CONNECTORS

	Knockout diameter (in.)		
Trade size (in.)	Nom.	Min.	Max.
¼	0.575	0.559	0.605
⅜	0.718	0.703	0.734
½	0.875	0.859	0.906
¾	1.109	1.094	1.141
1	1.375	1.359	1.406
1¼	1.734	1.719	1.766
1½	1.984	1.958	2.000
2	2.469	2.433	2.500
2½	2.969	2.938	3.000
3	3.594	3.563	3.625
3½	4.125	4.063	4.156
4	4.641	4.563	4.672
4½	5.109	5.063	5.166
5	5.719	5.625	5.750
6	6.813	6.700	6.844

Sizes ¼" through 1¼" are per UL 514.
Sizes ½" through 6" per proposed revision to NEMA Engineering Bulletin No. 71, Aug. 1976.

UL RECOMMENDED DIAMETERS FOR FLEXIBLE METAL CONDUIT (GREENFIELD)

		O.D. (in.)	
Trade size (in.)	Max. O.D. (in.)	Min.	Max.
5/16	0.510	0.312	0.393
⅜	0.610	0.375	0.645
½	0.920	0.625	0.835
¾	1.105	0.812	—
1	1.380	1.000	—
1¼	1.630	1.250	—
1½	1.950	1.500	—
2	2.450	2.000	—
2½	3.060	3.500	—
3	3.560	3.000	—
3½	4.060	3.500	—
4	4.560	4.000	—

UL RECOMMENDED DIAMETERS FOR LIQUID-TIGHT FLEXIBLE METAL CONDUIT

Trade size	I.D. (in.)		O.D. (in.)	
(in.)	Min.	Max.	Min.	Max.
⅜	0.484	0.504	0.690	0.710
½	0.622	0.642	0.820	0.840
¾	0.820	0.840	1.030	1.050
1	1.041	1.066	1.290	1.315
1¼	1.380	1.410	1.630	1.660
1½	1.575	1.600	1.865	1.900
2	2.020	2.045	2.340	2.375
2½	2.480	2.505	2.840	2.875
3	3.070	3.100	3.460	3.500
3½	3.500	3.540	3.960	4.000
4	4.000	4.040	4.460	4.500

DIAMETER OF LIQUID-TIGHT NON-METALLIC FLEXIBLE CONDUIT

Trade size	I.D. (in.)		O.D. (in.)	
(in.)	Min.	Max.	Min.	Max.
⅜	0.485	0.505	0.755	0.775
½	0.620	0.640	0.910	0.930
¾	0.815	0.835	1.150	1.170
1	1.030	1.055	1.415	1.440
1¼	1.370	1.395	1.800	1.825
1½	1.585	1.620	2.045	2.080
2	2.045	2.080	2.605	2.640

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Notes

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Additional information

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