

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, form 8 and series 35 iron conduit bodies: Sand-cast class 30 gray iron alloy
- 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

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

Listings/compliances

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

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: Stamped steel zinc-plating with a clear chromate coating
- Compliances: UL Standard: 514A, 514B Fed. Spec: W-C-586D
- CSA Standard: C22.2 No. 18

Crouse-Hinds is a trademark of Cooper Industries, Inc. Appleton is a trademark of the EGS Electrical Group, a joint venture of Emerson and SPX Corp.

Note: BlueKote is registered for conduit bodies but is not registered for a finish or a coating.

T&B Fittings pre-assembled conduit bodies, gaskets and covers



Cat. no.	Trade size (in.)	Pre-assembled products
C17CG-TB	1/2	C17 body, cover and gasket
C27CG-TB	3/4	C27 body, cover and gasket
C37CG-TB	1	C37 body, cover and gasket
C47CG-TB	1 1/4	C47 body, cover and gasket
C57CG-TB	1 1/2	C57 body, cover and gasket
C67CG-TB	2	C67 body, cover and gasket
LB17CG-TB	1/2	LB17 body, cover and gasket
LB27CG-TB	3/4	LB27 body, cover and gasket
LB37CG-TB	1	LB37 body, cover and gasket
LB47CG-TB	1 1/4	LB47 body, cover and gasket
LB57CG-TB	1 1/2	LB57 body, cover and gasket
LB67CG-TB	2	LB67 body, cover and gasket
LL17CG-TB	1/2	LL17 body, cover and gasket
LL27CG-TB	3/4	LL27 body, cover and gasket
LL37CG-TB	1	LL37 body, cover and gasket
LL47CG-TB	1 1/4	LL47 body, cover and gasket
LL57CG-TB	1 1/2	LL57 body, cover and gasket
LL67CG-TB	2	LL67 body, cover and gasket
LR17CG-TB	1/2	LR17 body, cover and gasket
LR27CG-TB	3/4	LR27 body, cover and gasket
LR37CG-TB	1	LR37 body, cover and gasket
LR47CG-TB	1 1/4	LR47 body, cover and gasket
LR57CG-TB	1 1/2	LR57 body, cover and gasket
LR67CG-TB	2	LR67 body, cover and gasket
T17CG-TB	1/2	T17 body, cover and gasket
T27CG-TB	3/4	T27 body, cover and gasket
T37CG-TB	1	T37 body, cover and gasket
T47CG-TB	1 1/4	T47 body, cover and gasket
T57CG-TB	1 1/2	T57 body, cover and gasket
T67CG-TB	2	T67 body, cover and gasket
TB17CG-TB	1/2	TB17 body, cover and gasket
TB27CG-TB	3/4	TB27 body, cover and gasket
TB37CG-TB	1	TB37 body, cover and gasket
TB47CG-TB	1 1/4	TB47 body, cover and gasket
TB57CG-TB	1 1/2	TB57 body, cover and gasket
TB67CG-TB	2	TB67 body, cover and gasket
X17CG-TB	1/2	X17 body, cover and gasket
X27CG-TB	3/4	X27 body, cover and gasket
X37CG-TB	1	X37 body, cover and gasket
X47CG-TB	1 1/4	X47 body, cover and gasket
X57CG-TB	1 1/2	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

BlueKote® form 7



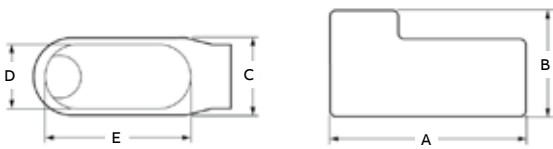
BlueKote internal finish reduces the amount of force necessary to pull wires through T&B Form 7 and Form 8 conduit bodies.

LB Form 7 BlueKote conduit bodies



Cat. no.	Hub size (in.)	Dimensions (in.)					
		A	B	C	D	E	Cu. in.
LB17	1/2	4.60	2.20	1.35	.95	3.20	4.0
LB27	3/4	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	1 1/4	6.45	3.20	2.20	1.80	5.00	18.8
LB57	1 1/2	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	2 1/2	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	3 1/2	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

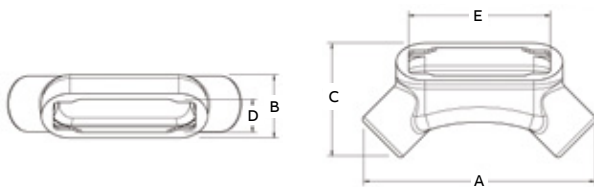


LU Form 7 BlueKote conduit bodies



Cat. no.	Hub size (in.)	Dimensions (in.)					
		A	B	C	D	E	Cu. in.
LU17	1/2	5.54	1.45	2.72	.95	3.20	4.8
LU27	3/4	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	1 1/4	8.40	2.47	4.21	1.80	5.00	23.0
LU57	1 1/2	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

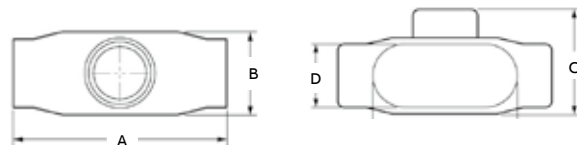


T Form 7 BlueKote conduit bodies



Cat. no.	Hub size (in.)	Dimensions (in.)					
		A	B	C	D	E	Cu. in.
T17	1/2	5.60	1.80	2.35	.95	3.20	6.0
T27	3/4	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	1 1/4	7.30	2.30	3.05	1.80	5.00	19.3
T57	1 1/2	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	2 1/2	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	3 1/2	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



C Form 7 BlueKote conduit bodies



Cat. no.	Hub size (in.)	Dimensions (in.)					
		A	B	C	D	E	Cu. in.
C17	1/2	5.45	1.40	1.45	.95	3.20	4.0
C27	3/4	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	1 1/4	7.30	2.30	2.20	1.80	5.00	18.8
C57	1 1/2	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	2 1/2	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

