

Conduit Bodies and Covers

T&B® Conduit Fittings for Ordinary and Hazardous Locations

Thomas & Betts offers a broad range of conduit bodies, conduit boxes, conduit fittings, unions, sealing fittings, drains and cable fittings for both ordinary and hazardous locations. Complete information on applications, features, materials, finishes, size range and certifications is provided in the following pages.

Conduit Bodies (for ordinary locations)

For raceway systems to provide pull outlets, 90° bends, splices, taps, mounting outlets, etc.

FORM 7	For neat, compact installation of rigid threaded conduit.
FORM 8	For heavier conductors using rigid threaded conduit.
Series 35	For economy installations of rigid threaded conduit.
Stainless Steel	For superior corrosion protection.
Red•Dot® Aluminum Die-Cast	For rigid threaded conduit installation — copper-free aluminum.
Red•Dot® Thinwall (EMT)	For set-screw installation using thinwall conduit (EMT) — copper-free aluminum.
Mogul Conduit Fittings	For larger conduits, spacious, accessible wiring chambers.

Cast Device Boxes (for ordinary locations)

For raceway systems to accommodate wiring devices, serve as pull boxes and provide entrances for taps and splices.

FS/FD Single- and Double-Gang Cast Device Boxes

Cast Conduit Outlet Boxes (for hazardous locations)

Round cast outlet boxes used with rigid conduit to serve as pull and splice boxes, easy access to wiring, act as a housing for instruments, apparatus, etc.

GUA Conduit Outlet Bodies

Reducers, Plugs, Unions (for ordinary and hazardous locations)

Includes reducers for connecting conduit of dissimilar dimensions, plugs for unused conduit openings and hubs and unions for threaded conduit systems.

RE, PLG REC Reducers, Plugs and Adapters, UNY/UNF Unions

Sealing Fittings and Drains (for ordinary and hazardous locations)

Cast fittings used with rigid conduit to seal sections from passage of vapors, flame or gases or explosions. Drains provide ventilation as a breather and as a drain in moist locations.

EYS/EYD Sealing Fittings & ECD Drains

Cable Fittings (for ordinary and hazardous locations)

For armored, metal clad, jacketed or unjacketed and unarmored cables through a bulkhead or enclosure in ordinary or hazardous areas.



Conduit Bodies and Covers

Conduit Outlet Bodies

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
- Act as mounting outlets for wiring devices and lighting fixtures
- 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 Form 7 bodies and covers are interchangeable with other manufacturers' Form 7 bodies and covers
- T&B Form 8 bodies and covers are interchangeable with other manufacturers' Form 8 bodies and covers
- T&B Form 7 and Form 8 bodies feature BlueKote® internal coating for easier wire pulling
- T&B Series 35 bodies and covers are interchangeable with other manufacturers' 35/5 Series iron and steel bodies and covers

Materials

Form 7, Form 8 and Series 35 Conduit Bodies..... Sand-cast class 30 gray iron alloy

Stainless Steel Conduit Bodies..... Type 316 stainless steel

Red•Dot® Conduit Bodies..... Die-cast aluminum, copper-free

Covers..... Sand-cast gray iron alloy and stamped sheet steel with steel-stainless steel screws

Stainless Steel Covers..... Cast and stamped Type 316 stainless steel with stainless steel screws

Gaskets..... Neoprene

Finish

Form 7, Form 8 and Series 35 Conduit Bodies.... Zinc-plating with aluminum acrylic coating

Form 7 and Form 8 Bodies..... Internal PTFE-based BlueKote® coating

Red•Dot® Conduit Bodies..... Aluminum laquer

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

Stainless Steel Bodies and Covers Polished

Listings/Compliances

UL Standard: 514A, 514B

Fed. Spec: W-C-586D

CSA Standard: C22.2 No. 18



Conduit Bodies and Covers

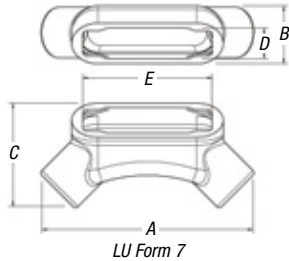


Conduit Bodies Quick Reference

		HUB SIZE (IN.)										SEE PAGE
SHAPE	TYPE	½	¾	1	1¼	1½	2	2½	3	3½	4	
	BlueKote® Form 7	LB17	LB27	LB37	LB47	LB57	LB67	LB77	LB87	LB97	LB107	E-71
	BlueKote® Form 8**	LB18	LB28	LB38	LB448	LB58	LB68	LB78	LB888	LB98	LB108	
	Series 35	LB50M	LB75M-TB	LB100M	LB125M	LB150M	LB200M	LB250M	LB300M	LB350M	LB400M	
	Threaded Aluminum*	ALB1	ALB2	ALB3	ALB4	ALB5	ALB6	ALB7	ALB8	ALB9	ALB10	
	EMT Aluminum*	BLB1	BLB2	BLB3	BLB4	BLB5	BLB6	BLB7	BLB8	BLB9	BLB10	
	Stainless Steel Form 8	LB18SST	LB28SST	LB38SST	LB48SST	LB58SST	LB68SST	(with covers, gaskets and screws)				E-69
	BlueKote® Form 7	LU17	LU27	LU37	LU47	LU57	LU67	—	—	—	—	E-72
	Stainless Steel Form 8	LU18SST	LU28SST	LU38SST	LU48SST	LU58SST	LU68SST	(with covers, gaskets and screws)				E-69
	BlueKote® Form 7	T17	T27	T37	T47	T57	T67	T77	T87	T97	T107	E-72
	BlueKote® Form 8**	T18	T28	T38-TB	T448	T58	T68	T78	T88-TB	—	—	
	Series 35	T50M	T75M	T100M	T125M	T150M	T200M	T250M	T300M	T350M	T400M	
	Threaded Aluminum*	AT1	AT2	AT3	AT4	AT5	AT6	AT7	AT8	AT9	AT10	
	EMT Aluminum*	BT1	BT2	BT3	BT4	BT5	BT6	—	—	—	—	
	Stainless Steel Form 8	T18SST	T28SST	T38SST	T48SST	T58SST	T68SST	(with covers, gaskets and screws)				E-69
	BlueKote® Form 7	C17	C27	C37	C47	C57	C67	C77-TB	C87	—	—	E-73
	BlueKote® Form 8**	C18	C28	C38	C448	C58-TB	C68	C78	C88	—	—	
	Series 35	C50M	C75M-TB	C100M	C125M	C150M	C200M	C250M-TB	C300M	C350M	C400M	
	Threaded Aluminum*	AC1	AC2	AC3	AC4	AC5	AC6	AC7	AC8	AC9	AC10	
	EMT Aluminum*	BC1	BC2	BC3	BC4	BC5	BC6	—	—	—	—	
	BlueKote® Form 7	LL17	LL27	LL37	LL47	LL57	LL67	LL77	LL87	LL97	LL107	E-74
	BlueKote® Form 8**	LL18	LL28	LL38	LL448	LL58	LL68	LL78	LL888	—	—	
	Series 35	LL50M	LL75M	LL100M	LL125M	LL150M	LL200M	LL250M	LL300M	LL350M	LL400M	
	Threaded Aluminum*	ALL1	ALL2	ALL3	ALL4	ALL5	ALL6	ALL7	ALL8	ALL9	ALL10	
	EMT Aluminum*	BLL1	BLL2	BLL3	BLL4	—	—	—	—	—	—	
	BlueKote® Form 7	LR17	LR27	LR37	LR47	LR57	LR67	LR77	LR87	LR97	LR107	E-75
	BlueKote® Form 8**	LR18	LR28	LR38	LR448	LR58	LR68	LR78	LR888	—	—	
	Series 35	LR50M	LR75M	LR100M	LR125M	LR150M	LR200M	LR250M	LR300M	LR350M-TB	LR400M	
	Threaded Aluminum*	ALR1	ALR2	ALR3	ALR4	ALR5	ALR6	ALR7	ALR8	ALR9	ALR10	
	EMT Aluminum*	BLR1	BLR2	BLR3	BLR4	—	—	—	—	—	—	
	BlueKote® Form 7	L17-TB	L27-TB	L37-TB	L47-TB	L57-TB	L67-TB	—	—	—	—	E-76
	Threaded Aluminum*	ALRL1	ALRL2	ALRL3	ALRL4	ALRL5	ALRL6	—	—	—	—	
	EMT Aluminum*	BLRL1	BLRL2	BLRL3	BLRL4	BLRL5	BLRL6	—	—	—	—	
	BlueKote® Form 7	TB17-TB	TB27	TB37	TB47	TB57	TB67	—	—	—	—	E-76
	BlueKote® Form 8**	TB18	TB28	TB38	TB448	TB58	TB68	—	—	—	—	
	Series 35	TB50M	TB75M	TB100M	TB125M	TB150M	TB200M	—	—	—	—	
		Stainless Steel Form 8	TB18SST	TB28SST	TB38SST	TB48SST	TB58SST	TB68SST	(with covers, gaskets and screws)			
	BlueKote® Form 7	X17	X27	X37	X47	X57	X67	—	—	—	—	E-77
	BlueKote® Form 8**	X18	X28	X38	X448	X58	X68	—	—	—	—	
	Series 35	X50M	X75M	X100M	X125M	X150M	X200M	—	—	—	—	
	BlueKote® Form 7	E17	E27	E27	—	—	—	—	—	—	—	E-77
	Threaded Aluminum	AE1	AE2	AE3	—	—	—	—	—	—	—	
	BlueKote® Form 7	TA17	TA27	TA37	TA47	TA57	TA67	—	—	—	—	—

*Aluminum conduit bodies (A and B series 2 1/2" through 4") furnished with one stamped steel cover **1/2" through 1 1/4" have (2) mounting holes; 1 1/2" through 4" have (4) mounting holes

Conduit Bodies and Covers

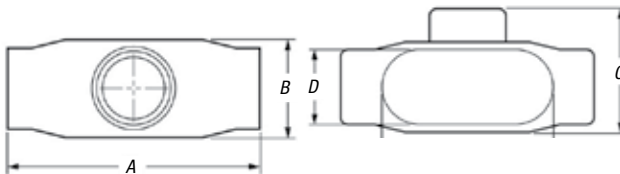


LU Form 7

LU® Form 7 BlueKote® Conduit Bodies



CAT. NO.	HUB SIZE	DIMENSIONS (IN.)					CU. IN.
		A	B	C	D	E	
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



T Form 7 and Form 8

T Form 7 BlueKote® Conduit Bodies

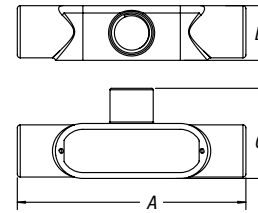


CAT. NO.	HUB SIZE	DIMENSIONS (IN.)					CU. IN.
		A	B	C	D	E	
T17	½"	5.60	1.80	2.35	.95	3.20	6.0
T27	¾"	6.20	2.00	2.60	1.15	3.80	9.1
T37	1"	7.35	2.30	3.10	1.35	4.55	16.9
T47	1¼"	7.30	2.30	3.05	1.80	5.00	19.3
T57	1½"	8.60	2.60	3.80	2.05	5.45	27.5
T67	2"	9.50	3.20	4.25	2.45	6.40	50.0
T77	2½"	12.10	3.65	5.80	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

T Form 8 BlueKote® Conduit Bodies



CAT. NO.	HUB SIZE	DIMENSIONS (IN.)					CU. IN.
		A	B	C	D	E	
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

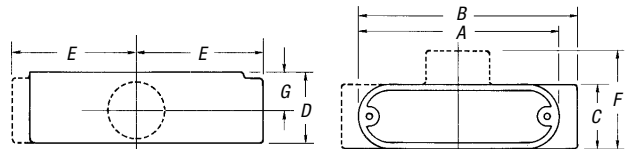


T Series 35

T Series 35 Conduit Bodies



CAT. NO.	HUB SIZE	DIMENSIONS (IN.)			CU. IN.
		A	B	C	
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



T Threaded Aluminum and EMT Aluminum

T Threaded Aluminum Conduit Bodies



CAT. NO.	HUB SIZE	DIMENSIONS (IN.)							CU. IN.
		A	B	C	D	E	F	G	
AT1	½"	3.88	4.38	1.33	1.38	2.41	2.06	.81	4.3
AT2	¾"	3.63	5.13	1.53	1.63	2.78	2.59	.94	7.3
AT3	1"	5.38	5.94	1.75	1.88	3.25	2.63	1.00	11.8
AT4	1¼"	7.25	7.88	2.50	2.50	4.19	3.53	1.38	32.0
AT5	1½"	7.25	7.88	2.50	2.75	4.19	3.53	1.50	32.0
AT6	2"	9.50	10.19	3.13	3.56	5.41	4.00	1.97	69.5
AT7	2½"	12.25	13.00	4.50	4.50	6.88	5.78	2.44	190.0
AT8	3"	12.25	13.00	4.50	4.50	6.88	5.78	2.44	190.0
AT9	3½"	15.00	16.31	5.50	5.56	8.81	6.81	3.00	366.0
AT10	4"	15.00	16.31	5.50	5.56	8.81	6.81	3.00	366.0

T EMT Aluminum Conduit Bodies



CAT. NO.	HUB SIZE	DIMENSIONS (IN.)							CU. IN.
		A	B	C	D	E	F	G	
BT1	½"	3.88	4.38	1.33	1.38	2.41	2.06	.81	4.3
BT2	¾"	4.63	5.13	1.53	1.63	2.78	2.59	.94	7.3
BT3	1"	5.38	5.94	1.75	1.88	3.25	2.63	1.00	11.8
BT4	1¼"	7.25	7.88	2.50	2.50	4.19	3.53	1.38	32.0
BT5	1½"	7.25	7.88	2.50	2.75	4.19	3.53	1.50	32.0
BT6	2"	9.50	10.19	3.13	3.56	5.41	4.00	1.97	69.5