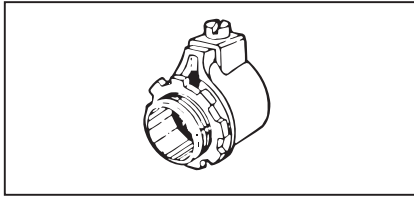


T&B Conduit Fittings

Armoured Cable and Flexible Metal Conduit Fittings

Specifications



3110 Series

Application

- To connect and effectively bond armoured cable or flexible metal conduit to a box or an enclosure.

Features

- Provided with a saddle designed to:
 - (1) Firmly secure conduit in place without damaging cable armour (Mechanical holding power of angled wedge assembly increases with increased strain).
 - (2) Provide high quality bond between conduit or cable and are unaffected by vibrations.
 - (3) Centralize conduit or cable with respect to throat opening for conductors.
- Insulated throat protects conductors during and after installation, reduces wire pull effort and prevents thread damage in handling.
- Locknuts designed to provide effective bond between fitting and box or enclosure, will not vibrate loose.
- Designed with fewer screws—reduces installation time and cost.

- Rugged all steel or malleable iron construction.
- CEC Rule 18-152 (6) and Bonding Rule 18-074 (1)(a) Class I, Zone 2 Flexible connections at motor terminals and similar places. CEC Rule J18-152 (6) and Bonding Rule J18-072 (1)(a) Class I, Division 2 Flexible connections at motor terminals and similar places.

Standard Material/Finish

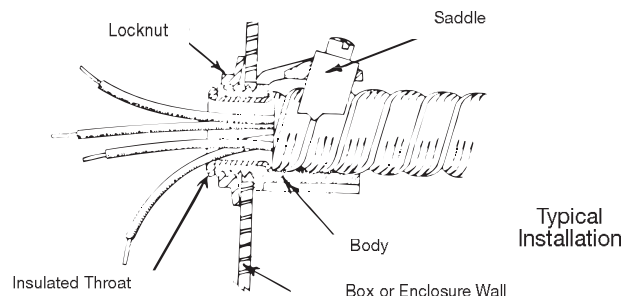
- Body: Steel or malleable iron/ Electro Zinc Plated & Chromate Coated
- Saddle: Steel/Electro Zinc Plated & Chromate Coated
- Screws: Steel/Electro Zinc Plated & Chromate Coated
- Insulator: Thermoplastic/As Molded

Conformity

- U.L. 514B
- CSA C22.2 No. 18.3
- NEMA FB-1

Series	Hub Size	Conduit Size	Cable Opening
3110 Series Straight Fittings	1/2" thru 5" NPS	3/8" thru 5"	.437" to 5.500"
3130 Series 90° Fittings	1/2" thru 4" NPS	3/8" thru 4" 4.560"	.437" to

(All hubs provided with straight pipe threads NPS.)



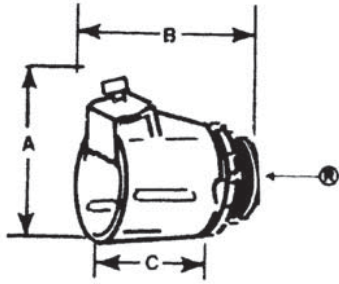
Typical Installation

T&B Conduit Fittings

Armoured Cable and Flexible Metal Conduit Fittings



Tite-Bite® Fittings—Nylon Insulated



Steel or malleable iron.

The tough lining of insulation and the Tite-Bite principles make these fittings a "must" when conductors are subject to conditions of vibration or strain.

Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
3110-C*	.656	.437	3/8"	1/2"	1-7/16	1-5/16	7/16
3112	.937	.750	1/2"	1/2"	1-25/32	1-3/4	1-9/32
3115*	1.125	.906	3/4"	3/4"	2	1-3/4	1-9/32
3117*	1.468	1.250	1"	1"	2-3/8	1-3/4	1-7/32
3118†	1.750	1.562	1-1/4"	1-1/4"	2-3/4	2	1-11/32
3119†	2.031	1.812	1-1/2"	1-1/2"	3-1/8	2-5/8	1-7/8
3120†	2.500	2.312	2"	2"	3-3/4	2-3/4	1-15/16
3121†	3.062	2.812	2-1/2"	2-1/2"	4-3/8	3-1/4	2-3/8
3122†	3.562	3.312	3"	3"	5	3-1/4	2-3/8
3123†	4.060	3.620	3-1/2"	3-1/2"	5-1/4	3-11/16	2-15/32
3124**†	4.560	4.120	4"	4"	5-3/4	3-25/32	2-1/2
3125**	5.500	4.600	5"	5"	6-7/8	4-27/32	3

Material: Steel thru 3/4" trade size.

* U.L. Listed for armoured cable only.

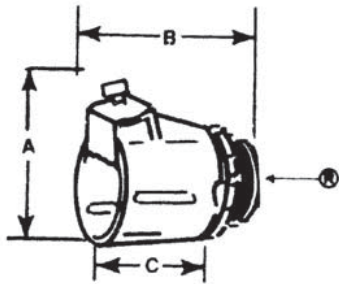
† U.L. Listed for flexible metal conduit only.

‡ CSA not applicable.

** Not U.L. Listed or CSA Certified.



Tite-Bite® Fittings



Steel or malleable iron.

Easy to install with double grip saddle. These fittings are completely salvageable. The 2/3" and 1/2" sizes are made of formed steel which produce a uniform high quality and a smooth throat that protects conductor insulation. 3/4" and larger size are malleable iron.

Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
300-TBC*	.656	.437	3/8"	1/2"	7/16	1-5/16	7/16
302-C	.937	.750	1/2"	1/2"	1-7/64	1-11/16	3/4
304	1.093	.906	3/4"	3/4"	1-7/32	1-11/16	29/32
306	1.468	1.250	1"	1"	1-1/8	1-3/4	1-1/4
308†	1.750	1.562	1-1/4"	1-1/4"	1-1/4	2-1/32	1-9/16
310†	2.031	1.812	1-1/2"	1-1/2"	1-3/4	2-9/16	1-13/16
312†	2.500	2.312	2"	2"	1-13/16	2-13/16	2-5/16
314†	3.062	2.812	2-1/2"	2-1/2"	2-1/4	3-1/8	2-13/16
316†	3.562	3.312	3"	3"	2-1/4	3-3/16	3-5/16

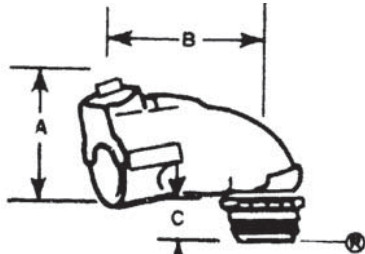
Material: Steel thru 3/4" trade size.

* U.L. Listed for armoured cable only.

† U.L. Listed for flexible metal conduit only.

T&B Conduit Fittings

Armoured Cable and Flexible Metal Conduit Fittings



Steel or malleable iron.

Available with or without insulated throat, this Tite-Bite fitting line is by far the easiest and best to install when making sharp bends at the enclosure or equipment. It has all of the advantages of the straight fitting with only one screw to tighten, except in the larger sizes where there are two. A peep hole on top provides for easy inspection of the ABC bushing. Narrow design makes it easy to install fittings in adjacent knockouts.

Tite-Bite® Fittings—90° Angle Nylon Insulated

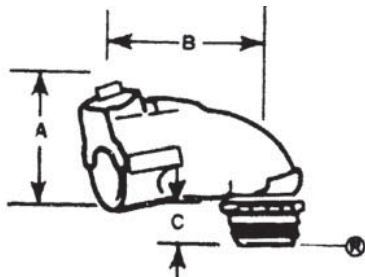
Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
3130-C	.563	.437	3/8"	1/2"	1-11/32	1-19/32	5/32
3132	.937	.750	1/2"	1/2"	1-7/8	2-5/16	1-5/32
3135	1.093	.906	3/4"	3/4"	2	2-1/8	1-5/32
3137	1.468	1.250	1"	1"	2-21/32	2-1/8	1/2
3138[†]	1.750	1.562	1-1/4"	1-1/4"	3-1/8	2-7/8	3/4
3139[†]	2.031	1.812	1-1/2"	1-1/2"	4-3/8	4	1-3/16
3140[†]	2.500	2.312	2"	2"	5-9/16	4-7/8	1
3141[†]	3.062	2.812	2-1/2"	2-1/2"	5-25/32	6	21
3142[†]	3.562	3.312	3"	3"	6	7	1
3143[†]	4.060	3.620	3-1/2"	3-1/2"	6	6-7/8	1-1/16
3144-TB[‡]	4.560	4.120	4"	4"	6-29/32	7-1/4	1-1/8

[†] U.L. Listed for flexible metal conduit only.

[‡] Not U.L. Listed or CSA Certified.



Tite-Bite® Fittings—90° Angle



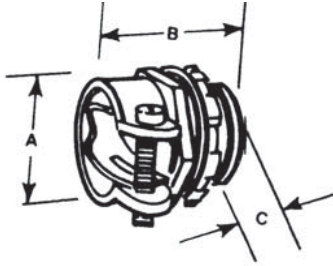
The angle clip gives secure mechanical grip that tightens under tension or vibration. Throat is long enough to install in cast housing knockouts. The 3/8" and 1/2" sizes are of steel construction. The 3/4" and larger sizes are malleable iron.

Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
321-C	.656	.437	3/8"	1/2"	1-11/32	1-1/2	3/8
323	.937	.750	1/2"	1/2"	1-7/8	2-3/8	1-7/32
325	1.093	.906	3/4"	3/4"	2-1/8	2-1/8	3/4
326-TB	1.468	1.250	1"	1"	2-21/32	2-1/8	1
327[†]	1.750	1.562	1-1/4"	1-1/4"	3-1/8	3-5/8	—
328[†]	2.031	1.812	1-1/2"	1-1/2"	4-1/8	4-1/8	—
329[†]	2.500	2.312	2"	2"	4-3/8	4-31/32	—
330-TB[†]	3.062	2.812	2-1/2"	2-1/2"	6-1/2	6	—
331[†]	3.562	3.312	3"	3"	5-25/32	7	—

[†] U.L. Listed for flexible metal conduit only.

T&B Conduit Fittings

Armoured Cable and Flexible Metal Conduit Fittings

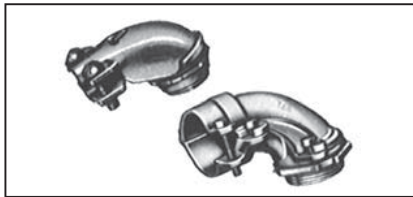


T&B squeeze fittings will fit every size of armoured cable, leaded cable and flexible conduit. Malleable iron or steel construction. Part No. 253-TB is steel.

Squeeze Fittings

Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
252	.531	.437	5/16"	3/8"	13/16	25/32	11/32
253-TB†	.585	.455	3/8"	1/2"	31/32	1-13/64	5/8
254-C†	.938	.812	1/2"	1/2"	1-7/32	1-3/8	13/32
255	1.094	.938	3/4"	3/4"	1-1/4	1-17/32	7/16
256	1.375	1.250	1"	1"	1-19/32	1-5/8	1/2
257	1.656	1.500	1-1/4"	1-1/4"	1-7/8	1-23/32	17/32
258	1.875	1.688	1-1/2"	1-1/2"	2-1/4	1-7/16	9/16
259	2.500	2.313	2"	2"	2-31/32	2-5/8	11/16
249	3.062	2.812	2-1/2"	2-1/2"	3-5/16	2-11/16	3/4
277	3.563	3.312	3"	3"	3-13/16	2-7/8	3/4

† U.L. Listed for armoured cable only. Fitting material steel.



3/8" and 1/2" sizes made in steel. Cap lifts off by simply loosening screws part way. Only two screws to tighten. 3/4" size and larger made of malleable iron.

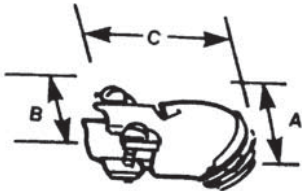
Squeeze Fittings—90° Angle



Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
266-C*	.656	.406	3/8"	1/2"	1-1/2	1-13/32	1-7/16
272†	.812	.688	3/8"	1/2"	1-9/16	1-7/8	1-9/16
268-C	.937	.813	1/2"	1/2"	1-11/16	1-13/16	1-7/8
279	1.000	.875	3/4"	3/4"	1-13/16	2-1/16	1-13/16
270	1.125	1.000	3/4"	3/4"	1-7/8	1-3/4	1-13/16
273-TB	1.406	1.187	1"	1"	2-3/8	2-7/32	2-7/16
274‡	1.656	1.375	1-1/4"	1-1/4"	3	2-9/16	2-7/8
275‡	1.875	1.625	1-1/2"	1-1/2"	3-7/32	3-1/16	4-1/8
276‡	2.500	2.125	2"	2"	4-5/8	3-5/8	4-7/8

* U.L. Listed for armoured cable only.

‡ U.L. Listed for flexible metal conduit only.

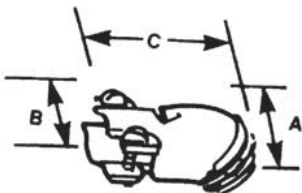


3/8" and 1/2" sizes made in steel. Cap lifts off by simply loosening screws part way.

Squeeze Fittings—45° Angle

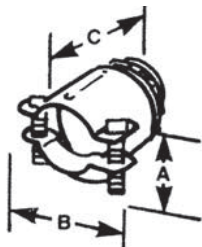


Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
265*	.656	.406	3/8"	1/2"	1-7/16	1-5/32	1-1/8
267	.937	.813	1/2"	1/2"	1-3/16	1/2	1-1/4
269	1.125	1.000	3/4"	3/4"	1-7/8	17/32	1-9/16

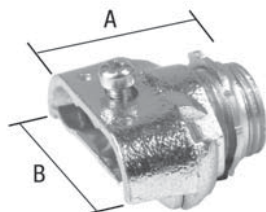


T&B Conduit Fittings

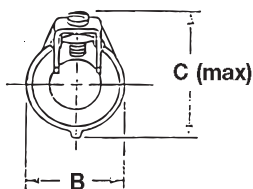
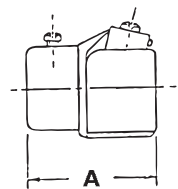
Armoured Cable and Flexible Metal Conduit Fittings



Formed steel body with carefully round bushing. The armour gripping saddle stays open by itself when cable is being inserted.



Malleable iron.
For nonmetallic and armoured cable.



Tite-Bite® fitting design holds flexible metal cable firmly in place with a single screw rather than two screws.

Two-Screw Fittings



Cat. No.	Cable Opening (in.)		Trade Size	K.O. Size	Dimensions (in.)		
	max.	min.			A	B	C
3301-C*	.656	.250	3/8"	1/2"	5/8	1-5/16	1-3/16
3312-C	.937	.500	1/2"	1/2"	5/8	1-5/16	1-3/16

* U.L. Listed for armoured cable only.

Duplex Clamp Fitting



Cat. No.	K.O. Size	Dimensions (in.)	
		A	B
291-C	1/2"	1-13/32"	1-11/16"

U.L. Listed as grounding means under NEC 350-5.

Adaptor—EMT to Flex



Cat. No.	K.O. Size	Dimensions (in.)		
		A	B	C
503-TB	1/2" - 1/2"	1-21/32	1-3/16	1-7/8
504	3/4" - 3/4"	1-25/32	1-7/16	2-1/8
505-TB	1" - 1"	2-1/32	2-1/16	2-5/8