

Rigid and Intermediate Metal Conduit Fittings

Blackjack® – Conduit Grounding Bushings



Cat. No.		Conduit Size (in.)	Dim.				E Max.	Wire Range
Zinc Plated Malleable Iron	Aluminum		ØA Max.	ØB Max.	ØC Max.	ØD Max.		
BG050-14-20	BGA050-14-20	1/2	1.251	0.569	1.181	2.134	0.696	14-2/0
BG050-14-4	BGA050-14-4		1.251	0.569	1.027	1.940		14-4
BG075-14-20	BGA075-14-20	3/4	1.533	0.772	1.221	2.414		14-2/0
BG075-14-4	BGA075-14-4		1.533	0.772	1.030	2.168		14-4
BG100-14-20	BGA100-14-20	1	1.783	0.993	1.181	2.581		14-2/0
BG100-14-4	BGA100-14-4		1.783	0.993	1.027	2.368		14-4
BG125-14-20	BGA125-14-20	1-1/4	2.220	1.319	1.181	2.987	0.759	14-2/0
BG150-14-20	BGA150-14-20	1-1/2	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		14-2/0
BG250-14-20	BGA250-14-20	2-1/2	3.148	2.412	1.181	4.341	0.978	14-2/0
BG250-6-40	BGA250-6-40		3.148	2.412	1.524	4.526		6-4/0
BG300-14-20	BGA300-14-20	3	4.042	3.022	1.181	4.966		14-2/0
BG300-6-40	BGA300-6-40		4.042	3.022	1.524	5.139		6-4/0
BG350-14-20	BGA350-14-20	3-1/2	4.542	3.491	1.181	5.467		14-2/0
BG350-6-40	BGA350-6-40		4.542	3.491	1.524	5.639		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		5.042	3.975	1.524	6.139		6-4/0
BG500-14-20	BGA500-14-20	5	6.136	4.991	1.181	7.045		14-2/0
BG500-6-40	BGA500-6-40		6.136	4.991	1.524	7.207		6-4/0
BG600-14-20	BGA600-14-20	6	7.199	6.009	1.181	8.087		14-2/0
BG600-6-40	BGA600-6-40		7.199	6.009	1.524	8.409		6-4/0

Suggested Specifications
Insulated grounding and bonding bushing
(Series BG050-BG600)

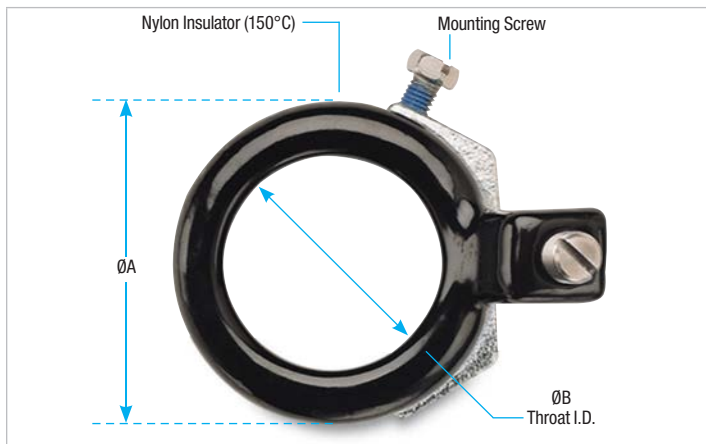
Where code requires bonding and grounding of single or multiple metal conduits, or positive bonding and grounding of metal conduit to the box, enclosure or auxiliary gutter, the end of the conduit shall be equipped with an insulated metallic grounding and bonding bushing Series BG050-14-20 as manufactured by Thomas & Betts.

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.

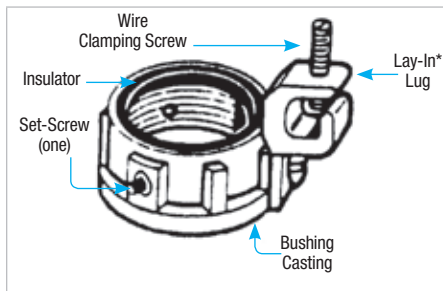
(ii) Bushing insulator shall be listed or certified for 150°C/302°F application with a flammability rating of 94V-0. Insulator must be positively locked in place.

* Mechanical galvanization is available in the 3870 Series; add suffix **MG** to Cat. No.



Rigid and Intermediate Metal Conduit Fittings

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 malleable 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

Standard Material / Finish

Body: Electro-zinc plated

Lay-in lug: Aluminum/tin-plated

Insulator: Thermoplastic
150°C/302°F

Application with 94V-0 flammability



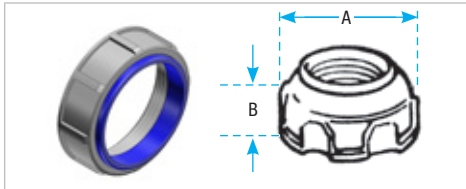
Cat. No.	Conduit Size (in.)	Bushing Dia. (in.)	Throat Dia. (in.)	Lug Length (in.)	Swing Radius (in.)	Bushing Height (in.)	Wire Range AWG CU/AL
3870-TB	1/2	1.125	0.560	1.310	1.212	0.657	14-4
3861		1.125	0.560	1.675	1.402		8-2/0
3871-TB	3/4	1.420	0.742	1.310	1.360	0.660	14-4
3862		1.420	0.742	1.675	1.550		8-2/0
3872	1	1.770	0.944	1.310	1.535	0.735	14-4
3882		1.770	0.944	1.675	1.725		8-2/0
3873	1-1/4	2.190	1.242	1.310	1.745	0.735	14-4
3883		2.190	1.242	1.675	1.935		8-2/0
3874	1-1/2	2.468	1.449	1.310	1.884	0.770	14-4
3884		2.468	1.449	1.675	2.074		8-2/0
3875	2	3.031	1.860	1.310	2.165	0.770	14-4
3889		3.031	1.860	1.675	2.355		8-2/0
3876	2-1/2	3.516	2.222	1.310	2.408	0.940	14-4
3886		3.516	2.222	1.675	2.598		8-2/0
3993	3	3.516	2.222	2.230	2.928	0.975	6-4/0
3877		4.234	2.761	1.310	2.767		14-4
3887	3	4.234	2.761	1.675	2.957	0.975	8-2/0
3994		4.234	2.761	2.230	3.287		6-4/0
3878	3-1/2	4.781	3.193	1.310	3.040	0.975	14-4
3863		4.781	3.193	1.675	3.230		8-2/0
3995	4	4.781	3.193	2.230	3.560	0.980	6-4/0
3879		5.328	3.623	1.310	3.314		14-4
3864	4	5.328	3.623	1.675	3.504	0.980	8-2/0
3996		5.328	3.623	2.230	3.834		6-4/0
3880	5	6.328	4.542	1.310	3.814	0.985	14-4
3865		6.328	4.542	1.675	4.000		8-2/0
3998	5	6.328	4.542	2.230	4.334	0.985	6-4/0
3881		7.406	5.458	1.310	4.353		14-4
3866	6	7.406	5.458	1.675	4.543	1.200	8-2/0
3999		7.406	5.458	2.230	4.875		6-4/0

Temperature rating 150°C

Meets Coast Guard Regulation CG293

*Contact your Regional Sales Office for copper lay in lug

Rigid and Intermediate Metal Conduit Fittings



Nylon insulated metallic bushings
Steel or malleable iron (Steel thru 1-1/2 in.)

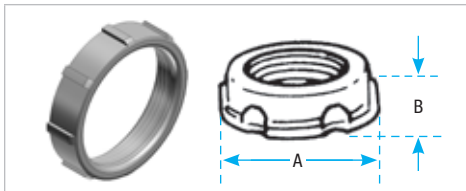
The Canadian Electric Code 10-906 (2) calls for protection of ungrounded conductors by means of smoothly rounded insulating surfaces at the entrance to raceways, pull boxes, junction boxes, etc. T&B insulated throat fittings, recognizable by the distinctive trademarked blue insulating liner in the throat, meet and surpass this Code requirement. In addition, T&B insulated fittings also reduce wire pulling effort by as much as 50%. Temperature rating 105°C.



Insulated Throat Fittings

Cat. No.	Steel or M.I.	Aluminum	Size (in.)	Dimensions (in.)	
				A	B
1222		1222AL	1/2	1-1/32	29/64
1223		1223AL	3/4	1-9/32	31/64
1224		1224AL	1	1-19/32	19/32
1225		1225AL	1-1/4	1-15/16	21/32
1226		1226AL	1-1/2	2-3/16	23/32
1227		1227AL	2	2-11/16	7/8
1228		1228AL	2-1/2	3-3/16	31/32
1229		1229AL	3	3-27/32	15/16
1230		1230AL	3-1/2	4-7/16	1-1/16
1231		1231AL	4	4-7/8	1-3/32
1232†		1232AL†	4-1/2	5-7/16	1-15/64
586		586AL	5	5-31/32	1-9/32
587		587AL	6	7-3/16	1-11/32

† Not CSA Certified
The aluminum series are not CSA certified



Aluminum, steel or malleable iron
(steel thru 1-1/2 in.)

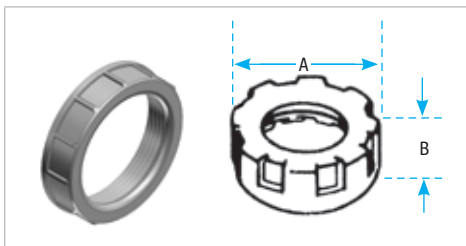
Smoothly rounded shoulder covers end of conduit; broad flange covers knockout hole. High ribs make tightening easy with fingers or with wrench. 1/2 in.-1-1/2 in. sizes, formed in steel, have extra smooth shoulders. Locknut-type base gives improved bonding and resists loosening under conditions of vibration.



Metallic Bushings

Cat. No.	Steel or M.I.	Aluminum	Size (in.)	Dimensions (in.)	
				A	B
122		122AL	1/2	1-1/32	13/32
123		123AL*	3/4	1-9/32	13/32
124		124AL	1	1-19/32	1/2
125-TB		125AL	1-1/4	1-15/16	9/16
126		126AL	1-1/2	2-3/16	9/16
127		127AL	2	2-11/16	19/32
128		128AL	2-1/2	3-3/16	13/16
129		129AL	3	3-27/32	13/16
130-TB		130AL	3-1/2	4-7/16	15/16
131-TB		131AL	4	4-7/8	1
132-TB		—	4-1/2	5-7/16	1-5/64
133-TB		133AL	5	6-1/16	1-1/16
134-TB		134AL	6	7-3/16	1-1/16

* Not UL Listed or CSA Certified



All Plastic Insulating Bushings

Impact-resistant plastic insulation. These bushings have ribs for gripping when installing. Perfect threads for easy thread on. UL Listed 105°C. NPT threaded.



Plastic Insulating Bushings

Cat. No.	Size (in.)	Dimensions (in.)	
		A	B
222-TB	1/2	1-1/16	3/8
223-TB	3/4	1-9/32	13/32
224	1	1-37/64	9/16
225-TB	1-1/4	2-1/32	9/16
226	1-1/2	2-15/64	9/16
227	2	2-25/32	5/8
228-TB	2-1/2	3-13/32	3/4
229-TB	3	4-3/32	3/4
230-TB	3-1/2	4-5/8	7/8
231	4	5-3/16	7/8
232	4-1/2	5-5/8	7/8
233	5	6-3/8	1
234	6	7-7/16	1

Flame retardant. UL Rated 94V-1