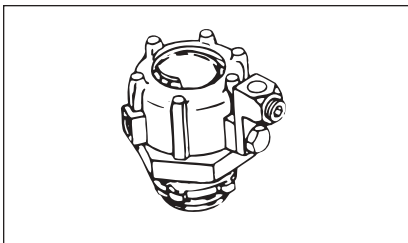


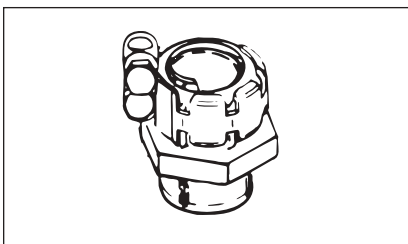
T&B Conduit Fittings

Liquidtight Flexible Metal Conduit Fittings

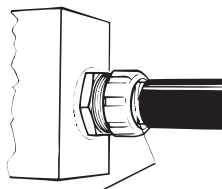
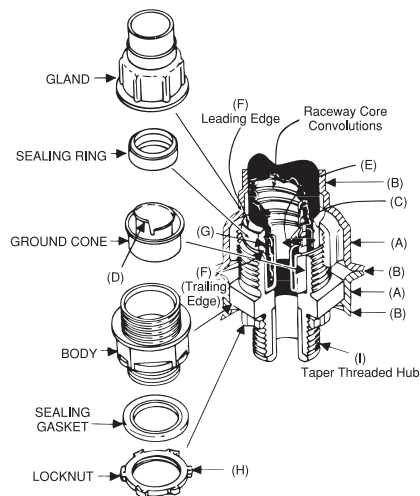
Specifications—External Bonding



Series 5331GR



Series 5271GR



Sleeving
Raceway Jacket pulls off—exposing core and affecting liquidtight termination. Feature (E) on sealing ring helps overcome this problem.

Application

- Used where external bonding jumper is required around liquidtight flexible metal conduit.
- To positively bond conduit to box or enclosure.
- Used where flexible raceway is installed in outdoor or indoor locations where exposed to continuous or intermittent moisture.

Features

- Designed with provision to install bonding jumper in several positions.
- Designed to accept mechanical or compression lug.
- Ability to install quickly with low torque effort.
 - (i) Compresses metallic convolutions; assures ground contact with low impedance and high raceway holding power (A).
 - (ii) Single helical thread on ground cone is easy to install without cross threading; accepts variations in raceway diameters and convolution pitch (B).
 - (iii) Rolled over edge protects conductors (C).

- Sealing ring design has following exclusive features:
 - (i) Grips and seals at leading and trailing edge—will not abrade raceway jacket (D).
 - (ii) Provided with grooves on inside diameter for anti-sleeving (E).
 - (iii) Shoulders on both ends for extra sealing (F).
 - (iv) Symmetrical shape assures foolproof assembly.

- Can be disconnected and reused.
- Watertight/oiltight installation at box or enclosure termination is assured by:
 1. External taper thread hub on 5331GR series and use of sealing gasket 5262 series (G).
 2. Taper tapped hole on 5271 series.
- Suitable for use in Class I Division 2, Class II Division 1 & 2 and Class III Division 1 & 2 Hazardous Locations per CEC Section 18.

- Conforms with JIC requirements.
- CEC Rule 12-1306 stipulates “a separate bonding conductor shall be installed in liquidtight flexible conduit in accordance with section 10”.
- CEC Rule 10-510 (3) “The armour of flexible metal conduit and liquidtight flexible metal conduit shall not be considered as fulfilling the requirements of a bonding conductor for the purposes of this rule, **and a separate bonding conductor shall be run within the conduit**”.

Standard Material

Lugs: High conductivity copper (for copper conductor only).
 Body, Gland, Locknut & Ground Cones: All steel or malleable iron.
 Sealing Ring and Insulator: All thermoplastic
 Sealing Gasket: Stainless Steel & Buna N
 Strap: Steel

Standard Finish

All Electro Zinc Plated and Chromate Coated except lugs.
 Lugs: Bright Dipped

Range

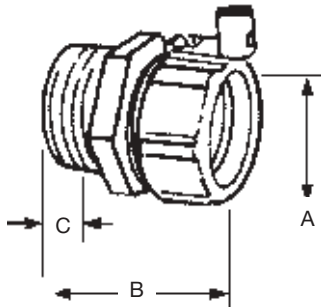
- 5331GR Series (straight fittings with male hub): $\frac{3}{4}$ ” thru 6” conduit.
 - 5341GR Series (45°): $\frac{3}{4}$ ” thru 4” conduit
 - 5351GR Series (90°): $\frac{3}{4}$ ” thru 4” conduit.
 - 5271GR Series (straight fittings with female hub): $\frac{3}{4}$ ” thru 1-1/4” conduit.
- All hubs provided with taper pipe threads (NPT)

Conformity

U.L. 467
 U.L. 514
 CSA C22.2 No. 18
 CSA C22.2 No. 41
 NEMA FB-1
 ANSI C33.84
 NFPA 70-2002 (ANSI)
 JIC EGP1
 JIC EMP1
 Federal Specification W-F-406
 Federal Standard H-28 (threads)

T&B Conduit Fittings

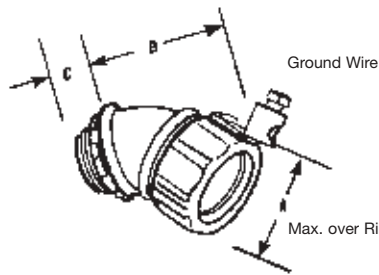
Liquidtight Flexible Metal Conduit Fittings



Malleable iron, tapered hub threads.

Straight Grounding Fittings*

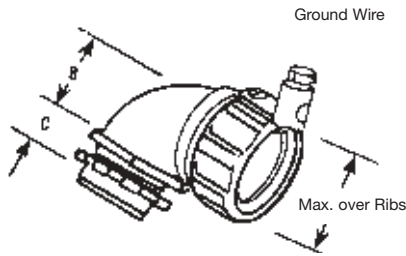
Steel Insulated	Cat. No.		Conduit Size	Dimensions (in.)			Ground Wire D
	Steel Non-insulated	Aluminum Non-insulated		A	B	C	
5331GR**	5231GR	5231ALGR*	3/8"	1-5/32	1-1/2	9/16	14-8
5332GR	5232GR	5232ALGR*	1/2"	1-3/8	1-9/16	9/16	14-8
5333GR	5233GR	5233ALGR*	3/4"	1-21/32	1-5/8	9/16	14-4
5334GR	5234GR	5234ALGR*	1"	1-7/8	2-1/16	3/4	14-4
5335GR	5235GR		1-1/4"	2-1/4	2-1/2	13/16	8-1/0
5336GR	5236GR		1-1/2"	3-1/4	2-11/16	13/16	4-2/0
5337GR	5237GR		2"	3-13/16	3-1/16	7/8	4-2/0
5338GR	5238GR		2-1/2"	4-7/16	4-1/8	1	2-4/0
5339GR	5239GR		3"	5-3/16	4-1/4	1	2-4/0
5340GR	5240GR		4"	6-1/8	4-1/2	1-1/8	2-4/0
5385GR	5285GR		5"	8-9/16	7	1-7/8	2-4/0
5386GR	—		6"	8-17/32	8-1/2	2	2-4/0



Malleable iron, tapered hub threads.

45° Angle Grounding Fittings

Insulated	Cat. No.		Conduit Size	Dimensions (in.)			Ground Wire D
	Non-insulated			A	B	C	
5341GR**	5241GR**		3/8"	1-5/32	1-9/16	9/16	14-8
5342GR	5242GR		1/2"	1-3/8	1-7/8	9/16	14-8
5343GR	5243GR		3/4"	1-21/32	2-1/8	9/16	14-4
5344GR	5244GR		1"	1-7/8	2-1/4	3/4	14-4
5345GR	5245GR		1-1/4"	2-1/4	2-3/4	13/16	8-1/0
5346GR	5246GR		1-1/2"	3-1/4	3-3/8	13/16	4-2/0
5347GR	5247GR		2"	3-13/16	3-7/8	7/8	4-2/0
5348GR	5248GR		2-1/2"	4-7/16	4-1/4	1	2-4/0
5349GR	5249GR		3"	5-3/16	4-1/4	1	2-4/0
5350GR	5250GR		4"	6-1/8	4-5/8	1-1/8	2-4/0



Malleable iron tapered hub threads.

90° Angle Grounding Fittings

Steel Insulated	Cat. No.		Conduit Size	Dimensions (in.)			Ground Wire D
	Steel Non-insulated	Aluminum Non-insulated		A	B	C	
5351GR**	5251GR**	5251ALGR*	3/8"	1-5/32	1-1/4	9/16	14-8
5352GR	5252GR	5252ALGR*	1/2"	1-3/8	1-7/16	9/16	14-8
5353GR	5253GR	5253ALGR*	3/4"	1-21/32	1-13/16	9/16	14-4
5354GR	5254GR	5254ALGR*	1"	1-7/8	2-1/16	3/4	14-4
5355GR	5255GR		1-1/4"	2-1/4	2-1/2	13/16	8-1/0
5356GR	5256GR		1-1/2"	3-1/4	2-15/16	13/16	4-2/0
5357GR	5257GR		2"	3-13/16	3-7/16	7/8	4-2/0
5358GR	5258GR		2-1/2"	4-7/16	8-7/8	1	2-4/0
5359GR	5259GR		3"	5-3/16	10-1/4	1	2-4/0
5360GR	5260GR		4"	6-1/8	12-5/8	1-1/8	2-4/0

* Not CSA Certified

** 3/8" conduit fittings have 1/2" trade size hub. With safe-edge ground cone (through 4") and double bevel sealing ring (through 2").

Suitable for hazardous locations use in Class I, Division 2; Class II, Division 1 and 2; Class III, Division 1 and 2, where general purpose equipment is specifically permitted per CEC Rule 18-156 (6) Class I, Zone 2; CEC Rule J18-152 (3) Class I, Division 2;

CEC Rule 18-202 (4) Class II, Division. 1; CEC Rule 18-252 (4) Class II, Division 2.

Note: 3/8"-1" fittings include Revolver™ grounding device. For sizes 1-1/4" and up, fittings are supplied with a copper mechanical lug.