

Liquidtight Flexible Metal Conduit Fittings

Specifications

Application

- Used where flexible metal raceway is installed in outdoor or indoor locations where exposed to continuous or intermittent moisture
- To positively bond conduit to box or enclosure

Features

- Ability to install quickly with low torque effort
- Ground cone design offers following advantages
 - (1) Compresses metallic convolutions; provides high quality ground contact with low impedance and high raceway holding power (A)
 - (2) Single helical thread on ground cone is easy to install without cross threading; accepts variations in raceway diameters and convolution pitch (B)
 - (3) Rolled over edge protects conductors (C)

Sealing ring design has following exclusive features:

- (1) Grips and seals at leading and trailing edge — will not abrade raceway jacket (D)
 - (2) Provided with grooves on inside diameter for anti-sleeving (E)
 - (3) Shoulders on both ends for extra sealing (F)
 - (4) 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 5331 Series and use of sealing gasket 5262 Series (G)
 - (2) Captive sealing 'O' ring on 5361 Series (H)
 - (3) Taper tapped hole on 5271 Series
 - For Hazardous Location applications, please refer to CEC Section 18

- CEC Rule 12-1306 stipulates "a separate bonding conductor shall be installed in liquidtight flexible conduit in accordance with section 10
- 1/2 in. and 1-1/4 in. sizes Laboratory tested to carry ground fault current of up to 1000 amps RMS with duration of fault current 3 cycles
- Conforms with JIC requirements
- Available with imperial, I.S.O. and PG threaded hub

Standard Material 5331-5361-5271 Series

Body, Gland, Locknut and Ground Cones: All steel or malleable iron.

Sealing Ring and Insulator: All thermoplastic rated min. -20°C max. 105°C

Sealing Gasket: Stainless Steel and Buna N

5231 AL Series

All Copper-free Aluminum (non-insulated)

Standard Finish 5331-5361-5271 Series

Electro Zinc Plated and Chromate Coated

5231 AL Series

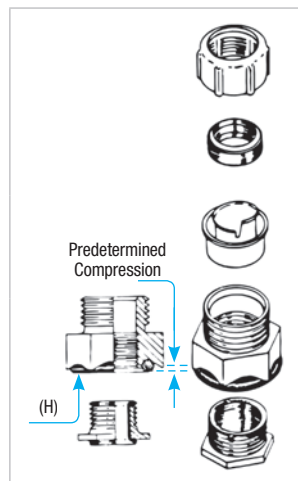
Copper-free Aluminum

Range

- 5331 Series 3/8 in. thru 6 in. conduit
- 5341 Series 3/8 in. thru 4 in. conduit
- 5351 Series 3/8 in. thru 4 in. conduit
- 5361 Series 3/8 in. thru 4 in. conduit
- 5271 Series 3/8 in. thru 1-1/4 in. conduit
- 5231 AL Series 3/8 in. thru 4 in. conduit
All hubs provided with taper pipe threads (NPT)

Conformity

UL 514B
CSA C22.2 No. 18.3
NEMA FB-1
NFPA 70-2008 (ANSI)
JIC EGP1, JIC EMP1
Federal Specification W-F-406
Federal standard H-28 (Threads)



5361 Series
Chase Style



5331 Series
5231 AL Series



5361 Series

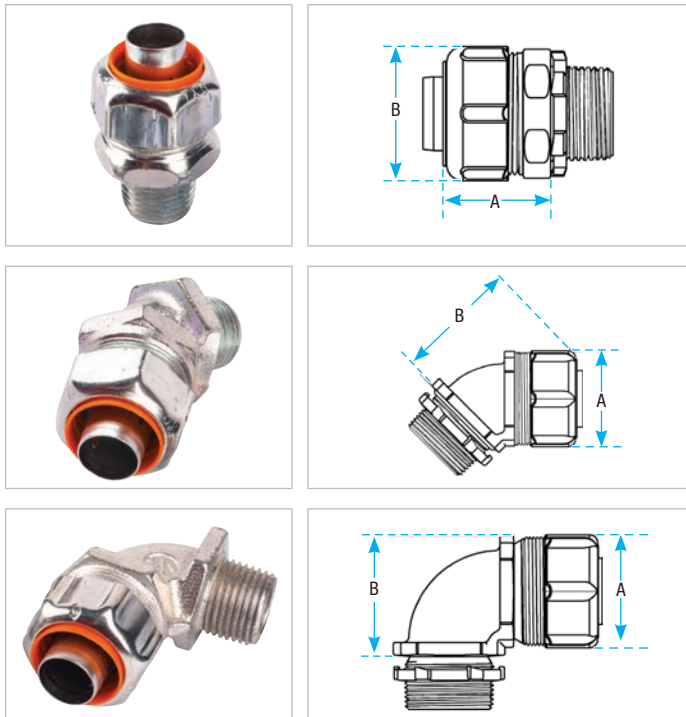


5271 Series

5341 Series...
same as 5331,
except 45° Fittings

5351 Series...
same as 5331,
except 90° Fittings

Liquidtight Flexible Metal Conduit Fittings



Quick-Connect™ Liquidtight Fittings Push. Tighten. Done!

The quality of the T&B Liquidtight system in a labour-saving Quick-Connect™ fitting. Innovative push-in technology with a captive sealing ring makes it installation-ready.

Flexible conduit is used in a wide variety of challenging environments. You need fittings to match. That's why Thomas & Betts offers four different liquidtight lines, including our new time-saving, Quick-Connect™ fittings.

- Ideal for any industrial MRO or OEM application where high performance is required
- Often used in food and beverage, wastewater and chemical processing industries
- Each liquidtight fitting is designed to exceed expectations
- Simple installation and worry-free connections

Standard Material/Finish

Steel:	Gland nut, ground cone, body, locknut
Finish:	Zinc Plated Coated
Nylon:	Sealing ring, insulator
Temp. rating:	105°C

Quick-Connect™ Liquidtight Fittings



Cat. No. Non-insulated	Cat. No. Insulated	Trade Size (in.)	Material	Dimensions (in.)		Inner Pack	Outer Pack
				A	B		
Straight fittings							
5231-PT	5331-PT	3/8	Zinc Plated Steel	1-5/32	1-5/16	25	100
5232-PT	5332-PT	1/2	Zinc Plated Steel	1-3/8	1	25	100
5233-PT	5333-PT	3/4	Zinc Plated Steel	1-21/32	1-1/16	25	50
5234-PT	5334-PT	1	Zinc Plated Steel	1-7/8	1-5/16	10	50
45° fittings							
5241-PT	5341-PT	3/8	Malleable Iron	1-5/32	1	25	50
5242-PT	5342-PT	1/2	Malleable Iron	1-3/8	1-5/16	25	50
5243-PT	5343-PT	3/4	Malleable Iron	1-21/32	1-9/16	10	50
5244-PT	5344-PT	1	Malleable Iron	1-7/8	1-1/2	5	25
90° fittings							
5251-PT	5351-PT	3/8	Malleable Iron	1-5/32	1-3/16	25	50
5252-PT	5352-PT	1/2	Malleable Iron	1-3/8	1-7/16	25	50
5253-PT	5353-PT	3/4	Malleable Iron	1-21/32	1-3/4	10	50
5254-PT	5354-PT	1	Malleable Iron	1-7/8	1-15/32	5	25