

52®/53® Series Liquidtight Fittings and Flexible Metallic Conduits

Liquidtight Flexible Metal Conduit Fittings

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 the 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 thread; accepts variations in raceway diameters and convolution pitch (B)
 - (3) Rolled-over edge protects conductors (C)

Sealing Ring Design 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/oil-tight installation at box or enclosure termination is ensured by:
 - (1) External taper thread hub on 5331 series and use of sealing gasket 5262 series (G)
 - (2) Captivated sealing O-Ring on 5361 series (H)
 - (3) Taper tapped hole on 5271 series
 - Suitable for use in Class I Division 2, Class II Division 1 and 2 and Class III Division 1 and 2 Hazardous Locations per NEC® Section 500
 - Suitable as a grounding means per NEC Section 351-9 (up to 1¼" trade size on)
 - ½" & 1¼" sizes laboratory tested to carry ground fault current of up to 1,000 amps RMS with duration of fault current three cycles
 - Conforms with JIC requirements
 - Available with imperial, ISO and PG threaded hub

Standard Material

5331-5361-5271 Series

Body, Gland, Locknut & Ground Cones: Steel (¼"–1¼") or malleable iron (1½"–6")

Sealing Ring and Insulator: All thermoplastic

Sealing Gasket: Stainless Steel and Santoprene®

5331SST-5331SSTHT Series

304 Stainless Steel insulated

Sealing Ring and Insulator: All thermoplastic

Sealing Gasket: Stainless Steel and Santoprene®

5231 AL Series

All Copper-free Aluminum (non-insulated)

Standard Finish

5331-5361-5271 Series

Electro Zinc Plated with Chromate Coating

5331ST-5331STH Series

Electro Zinc Plated with Chromate Coating

5231 AL Series

Copper-free Aluminum

Range

5331 Series	¾" through 6" conduit
5341 Series	¾" through 4" conduit
5351 Series	¾" through 4" conduit
5361 Series	¾" through 4" conduit
5271 Series	¾" through 1¼" conduit
5331SST Series	¾" through 2" conduit
5331SSTHT Series	¾" through 2" conduit
5231 AL Series	¾" through 4" conduit

*All hubs provided with taper pipe threads (NPT)

Listings/Compliances

UL UL File No. E-23018
 CSA LR-2884, LR-4484, LR-9555
 UL 514B
 CSA C22.2 No. 18
 NEMA FB-1
 NFPA 70-1999 (ANSI)
 JIC EGP1
 JIC EMP1
 Federal Specification A-A-50552
 Federal Standard H-28 (Threads)



5331 Series*
5231 AL Series

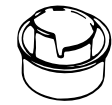
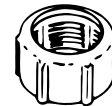


5361 Series

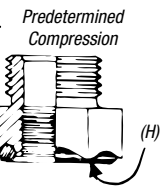


5271 Series

* 5341 Series...
 same as 5331, except 45° Connectors
 5351 Series...
 same as 5331, except 90° Connectors



5361 Series
CHASE® Style



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Santoprene is a registered trademark of Advanced Elastomer Systems.

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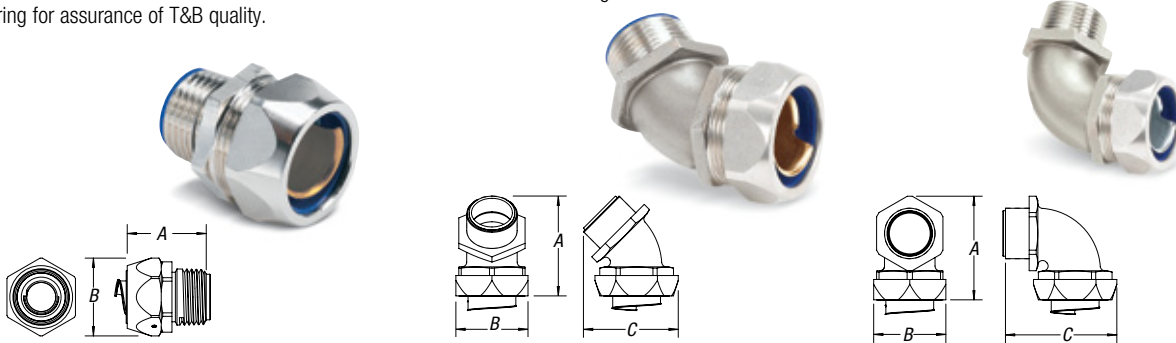
The strength of steel —
with superior corrosion resistance!

Stainless Steel Liquidtight Conduit Connectors

Until now, there's been no ideal conduit fitting solution for use in heavily corrosive environments. Traditional metallic fittings corrode and require frequent replacement. Non-metallic fittings offer less strength, lower UV resistance and don't stand up well in extreme temperatures. T&B® Stainless Steel Liquidtight Conduit Connectors are constructed of 304 stainless steel to resist corrosion while offering high strength, high UV resistance and high endurance. Choose among a full range of fittings in straight, 45°, and 90° angled configurations for 3/8" to 2" conduit sizes. Look for the distinctive blue insulator and sealing ring for assurance of T&B quality.

- Ideal for industrial MRO and OEM applications in food and beverage, pharmaceutical, petrochemical, wastewater, salt water and other corrosive environments
- Connects metallic-cored liquidtight conduit to a box or enclosure
- Type 304 stainless steel body and gland nut resist corrosion far better than other metallic fittings
- Stronger and more UV resistant than non-metallic fittings
- Ground cones are available in 1 1/4", 1 1/2" and 2" sizes and are brass/nickel plated
- Available in straight, 45° and 90° angled configurations to fit conduit from 3/8" to 2"
- UL Listed Ratings: 3, 3R, 4, 4X
- Standard version (SST Series) rated for temperatures up to 105° C (221° F)
- Now available in a new high-temperature version (SSTHT Series) for applications up to 150° C (302° F)

Conduit & Fittings — T&B® Liquidtight Fittings



Stainless Steel Liquidtight Conduit Connectors — 105° C Max.



CAT. NO.	CONDUIT SIZE (IN.)	DIMENSIONS (IN.)			STD. PKG. QTY.
		A	B	C	
<i>Straight</i>					
5331SST	3/8	1.36	1.02	—	25
5332SST	1/2	1.36	1.18	—	25
5333SST	3/4	1.39	1.37	—	25
5334SST	1	1.56	1.77	—	5
5335SST	1¼	1.72	2.12	—	20
5336SST	1½	2.02	2.48	—	5
5337SST	2	2.34	3.04	—	2

	CONDUIT SIZE (IN.)	DIMENSIONS (IN.)			STD. PKG. QTY.
CAT. NO.		A	B	C	
45° Angled					
5341SST	3⁄8	1.84	1.02	1.43	25
5342SST	1⁄2	1.62	1.18	2.04	25
5343SST	3⁄4	2.32	1.37	1.93	10
5344SST	1	2.86	1.77	2.37	5
5345SST	1¼	3.33	2.12	2.80	5
5346SST	1½	3.94	2.48	3.39	2
5347SST	2	4.73	3.04	4.23	1

CAT. NO.	CONDUIT SIZE (IN.)	DIMENSIONS (IN.)			STD. PKG. QTY.
		A	B	C	
90° Angled					
5351SST	3⁄8	1.95	1.02	1.84	25
5352SST	1⁄2	2.12	1.18	2.07	25
5353SST	3⁄4	2.47	1.37	2.44	10
5354SST	1	2.98	1.77	2.90	5
5355SST	1¼	3.53	2.12	3.36	5
5356SST	1½	4.16	2.48	3.88	2
5357SST	2	8.60	3.04	4.69	1

Blue is a trademark color of Thomas & Betts.

Stainless Steel High-Temperature Liquidtight Conduit Connectors — 150° C Max.



CAT. NO.	CONDUIT SIZE (IN.)	DIMENSIONS (IN.)			STD. PKG. QTY.
		A	B	C	
Straight					
5331SSTHT	3/8	1.36	1.02	—	25
5332SSTHT	1/2	1.36	1.18	—	25
5333SSTHT	3/4	1.39	1.37	—	25
5334SSTHT	1	1.56	1.77	—	5
5335SSTHT	1¼	1.72	2.12	—	20
5336SSTHT	1½	2.02	2.48	—	5
5337SSTHT	2	2.34	3.04	—	2

	CONDUIT SIZE (IN.)	DIMENSIONS (IN.)			STD. PKG. QTY.
CAT. NO.		A	B	C	
45° Angled					
5341SSTHT	3⁄8	1.84	1.02	1.43	25
5342SSTHT	1⁄2	1.62	1.18	2.04	25
5343SSTHT	3⁄4	2.32	1.37	1.93	10
5344SSTHT	1	2.86	1.77	2.37	5
5345SSTHT	1¼	3.33	2.12	2.80	5
5346SSTHT	1½	3.94	2.48	3.39	2
5347SSTHT	2	4.73	3.04	4.23	1

CAT. NO.	CONDUIT SIZE (IN.)	DIMENSIONS (IN.)			STD. PKG. QTY.
		A	B	C	
90° Angled					
5351SSTHT	⅜	1.95	1.02	1.84	25
5352SSTHT	½	2.12	1.18	2.07	25
5353SSTHT	¾	2.47	1.37	2.44	10
5354SSTHT	1	2.98	1.77	2.90	5
5355SSTHT	1¼	3.53	2.12	3.36	5
5356SSTHT	1½	4.16	2.48	3.88	2
5357SSTHT	2	8.60	3.04	4.69	1

Note: High-temperature fittings feature a black insulator and black sealing gasket.