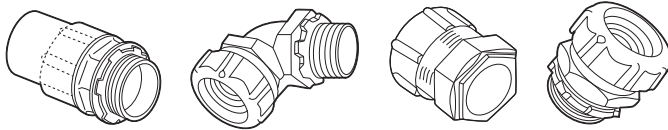


## INSTALLATION GUIDE

# Liquidtight connectors

## For Liquidtight flexible metallic conduit



**IMPORTANT**

Read and understand all instructions and safety information before use. Be aware of proper usage and potential hazards.



This guide has been prepared to show the proper method of installing T&B® liquidtight connectors. The selection of the proper raceway, the most appropriate T&B® connector plus correct installation techniques will provide both the high performance and reliability demanded by specifying engineers. Following are the characteristics and specifications that should be the criteria for selection of high quality connectors such as the T&B® line.



**WARNING: Risk of shock, disconnect power before installation**



**CAUTION: Product should be installed by a qualified electrician in accordance with national and local electrical codes.**

### Features

- Safe-Edge™ Steel grounding cones means no sharp edges.
- Blue nylon insulated throats
- Double bevel nylon sealing rings means easier installation.
- PVC coated connectors\*

Types	Insulated	Non-insulated	Chase® connector	Rigid connector adapter	PVC coated* connector	ISO metric connector	PG metric connectors
Straight	5330 Series ¼" thru 6"	5231 Series ⅜" thru 5"	5361 Series ⅜" thru 4"	5271 Series ⅜" thru 4"	3321 Series ⅜" thru 4"	9360 Series ⅜" thru 1" conduit ISO 16 thru 32	7361 Series ⅜" thru 2" Conduit PG11 thru PG48 Thds.
90°	5351 Series ⅜" thru 4"	5251 Series ⅜" thru 4"	5371 Series ⅜" thru 1"	—	3361 Series ⅜" thru 4"	9350 Series ⅜" thru 1" conduit ISO 16 thru 32	7351 Series ⅜" thru 2" conduit PG11 thru PG48 Thds.
45°	5341 Series ⅜" thru 4"	5241 Series ⅜" thru 4"	—	—	3341 Series ⅜" thru 4"	9340 Series ⅜" thru 1" conduit ISO 16 thru 32	7341 Series ⅜" thru 2" conduit PG11 thru PG48 Thds.

\*PVC coated line minimum .040" thick coating for maximum corrosion protection.

NOTE: Catalog numbers 5229 (for ¼" liquidtight conduit) and 5330 (for ⅜" liquidtight conduit) connectors are available without locknut assembled and are NOT UL listed or CSA certified.

**Installation instructions**

1. Cut the flexible conduit with a clean square end cut. (Figure 1)
  - Use metal jig (available from conduit manufacturers).
  - Use 32 Tooth/In. no. set, sharp hacksaw.
  - For high production use 24-32 Tooth/In. wavy set, power band saw, not more than 400’/minute.
  - **Do not use an abrasive wheel.**
2. Assembly
  - For 5000, 7000, and 9000 series & PVC coated 3300 series. (Figure 2)
    - a. Slide on gland nut.
    - b. Slide on nylon sealing ring.
    - c. Thread in Safe Edge™ Cone.
  - For PVC coated connector, use the same assembly method, except tighten with smooth jaw wrench. If gouging occurs exposing metal, PVC cement is recommended.
  - For knockout applications, use T&B® 140 series locknuts and 5260 series sealing gaskets. (Purchase separately)
  - For 7000 and 9000 series , order locknut separately.

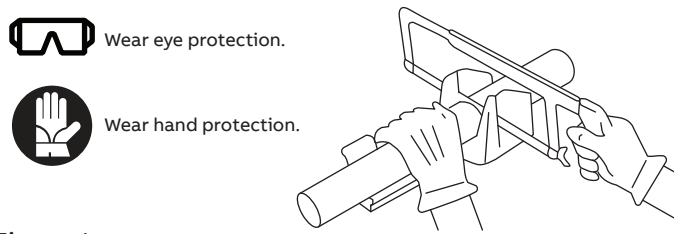


Figure 1

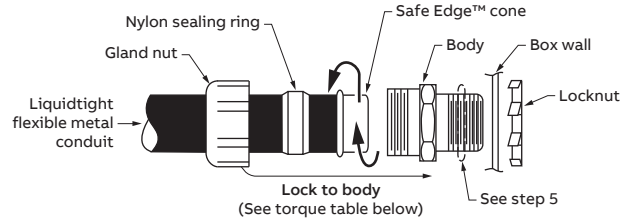


Figure 2

**“Space Saver” Chase® connector assemblies**

Outside of knockout, 3 style Chase® connector bodies.

(Figure 3)

- Lock-up can be made by tightening Chase® Nipple to body or by turning body onto Chase® Nipple.

Trade size of fitting (in.)	Tightening torque (lb.-in.)
3/8"	200
1/2"	300
3/4"	500
1"	700
1 1/4"	1000
1 1/2"	1200
2"	1600
2 1/2"	1600
3"	1600
3 1/2"	1600
4"	1600

Figure 3