

Representative

**Catalog Number:** 7366  
**Product ID:** 7TAD012330R0029  
**UPC Number:** 78621007366  
**EAN Number:** 05414363076094  
**Status:** A

1-1/4 Inch Steel Insulated Liquidtight Connector With PG Thread and Chromate Finish, Thread Size 36

- Quick and easy to install by hand, no special tool needed.
- Provides a positive seal against oil, liquids, moisture and dust

### North American Specifications (UNSPSC)

|                  |  |
|------------------|--|
| UNSPSC           | 39121420 Liquid tight connectors                               |
| IGCC             | 4585 Liquid tight connectors                                   |
| Type             | Liquidtight Flexible Metal Conduit Fittings                    |
| Special Features | CSA Certified Dusttight and Watertight. UL Listed Liquidtight. |
| Application      | Nylon Insulated Straight Fittings                              |
| Standard         | CSA, UL E23018   |
| Size             | 1-1/4 Inch   |
| Material         | Nylon Insulated  |

### European Specifications (ETIM)

|   |  |
|---|--|
| ETIM  | EC001180 Screw connection for protective metallic hose |
| Nominal size in inch                                | 1 1/4 inch   |
| Model   | Straight   |
| Revolving thread                                    | N  |
| Construction type                                   | External thread  |
| Connection type screw connection to housing         | Thread   |
| Thread type   | Other  |
| Thread connection size                              | PG36   |
| One-piece   | N  |
| Material housing                                    | Steel  |
| Thread length                                       | 21mm   |
| Total length  | 67mm   |
| Approved in combination with protective conduit CSA | Y  |
| Approved in combination with protective conduit UL  | Y  |

### Packaging

|                           |                 |
|---------------------------|-----------------|
| Inner Quantity            | 5               |
| Inner Dimensions (inches) | 6x5x4           |
| Outer Quantity            | 25              |
| Outer Dimensions (inches) | 20.9x5.5x8.9    |
| Weight Uom                | 92 lbs. per 100 |

### Documents / Support Tools

|                                   |                      |
|-----------------------------------|----------------------|
| Technical Drawing / Data Sheet US | Available on Website |
| Instruction Sheet                 | TA00210-TB2          |
| Support/Tools                     | Available on Website |
| Marketing Brochure                | Available on Website |
| Catalog US                        | Available on Website |

### Header

3D Model

Available on Website

**For further technical assistance, please contact us...**

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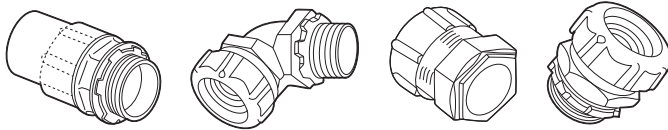
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## INSTALLATION GUIDE

# 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<br>¼" thru 6" | 5231 Series<br>⅜" thru 5" | 5361 Series<br>⅜" thru 4" | 5271 Series<br>⅜" thru 4" | 3321 Series<br>⅜" thru 4" | 9360 Series ⅜" thru 1"<br>conduit ISO 16 thru 32    | 7361 Series ⅜" thru 2"<br>Conduit PG11 thru PG48<br>Thds. |
| 90°      | 5351 Series<br>⅜" thru 4" | 5251 Series<br>⅜" thru 4" | 5371 Series<br>⅜" thru 1" | —                         | 3361 Series<br>⅜" thru 4" | 9350 Series ⅜" thru 1"<br>conduit ISO 16 thru 32    | 7351 Series<br>⅜" thru 2" conduit PG11<br>thru PG48 Thds. |
| 45°      | 5341 Series<br>⅜" thru 4" | 5241 Series<br>⅜" thru 4" | —                         | —                         | 3341 Series<br>⅜" thru 4" | 9340 Series<br>⅜" thru 1" conduit ISO 16<br>thru 32 | 7341 Series ⅜" thru 2"<br>conduit PG11 thru PG48<br>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.

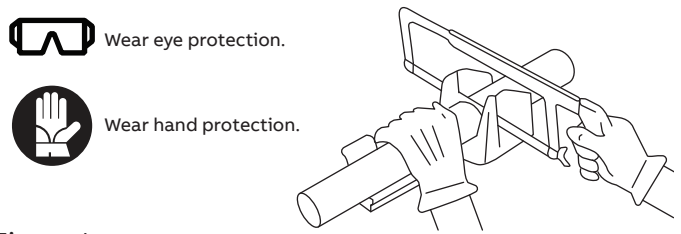


Figure 1

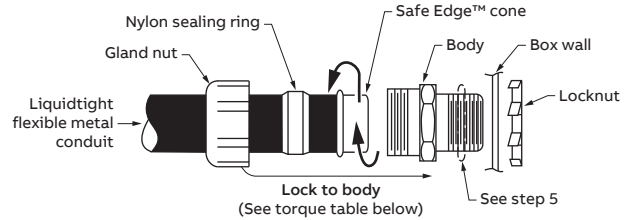


Figure 2

**“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.

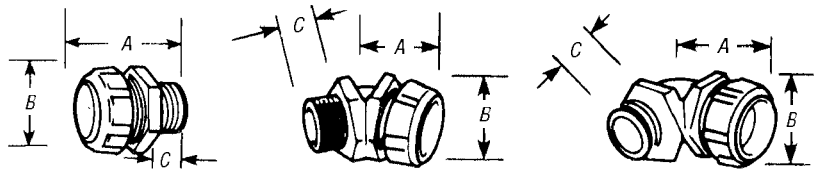
| Trade size of fitting (in.) | Tightening torque (lb.-in.) |
|-----------------------------|-----------------------------|
| 3/8"                        | 200                         |
| 1/2"                        | 300                         |
| 3/4"                        | 500                 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

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

Fittings for liquidtight flexible metal conduit with metric threads of PG form (DIN 40430).

### PG Metric Thread Liquidtight Fittings\*



| CAT. NO.                                   | FLEXIBLE CONDUIT SIZE | METRIC PG THREAD | A MM | B MM | C MM |
|--|-----------------------|------------------|------|------|------|
| <b>Nylon-insulated straight connectors</b> |                       |                  |      |      |      |
| 7330                                       | ¼"                    | 9                | 36   | 21   | 12   |
| 7360                                       | ⅝"                    | 9                | 36   | 26   | 12   |
| 7361                                       | ¾"                    | 11               | 40   | 29   | 14   |
| 7362                                       | ¾"                    | 13.5             | 40   | 29   | 14   |
| 7363                                       | 1½"                   | 16               | 41   | 35   | 14   |
| 7364                                       | ¾"                    | 21               | 43   | 42   | 14   |
| 7365                                       | 1"                    | 29               | 56   | 47   | 19   |
| 7366                                       | 1½"                   | 36               | 67   | 58   | 21   |
| 7367                                       | 1½"                   | 42               | 72   | 69   | 21   |
| 7368                                       | 2"                    | 48               | 81   | 83   | 21   |

\*All items shown on this page are suitable for use in hazardous location where general-purpose equipment is specifically permitted by the NEC®; Class I Div. 2, Class II, Div. 1 & 2; Class III, Div. 1 & 2.

†UL Listed as grounding means under NEC 351-7.

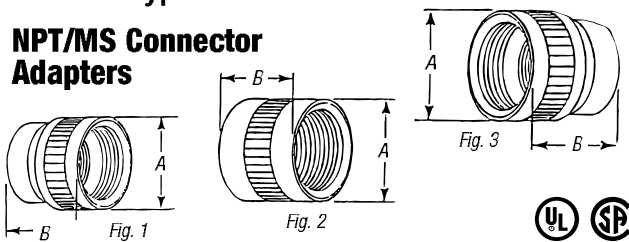
UL Listed liquidtight. CSA Certified watertight.

UL File No. E-23018

CSA File No. 2884

Aluminum mechanical adapter with internal threads to mate with NPT threaded fittings and MS type connectors.

### NPT/MS Connector Adapters



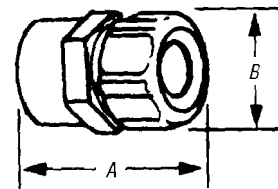
| CAT. NO. | N.P.T. THREAD | AN-MS CONNECTOR SHELL SIZE | THREAD SIZE    | STD. PKG. | DIMENSIONS (IN.) |      |       |
|----------|---------------|----------------------------|----------------|-----------|------------------|------|-------|
|          |               |                            |                |           | A                | FIG. | B     |
| MSA05014 | ½"            | 14, 14S                    | ¼"-20 UNEF-2B  | 10        | 1.000            | 1    | 1.175 |
| MSA05016 | ½"            | 16, 16S                    | ¼"-20 UNEF-2B  | 10        | 1.000            | 2    | 1.175 |
| MSA05018 | ½"            | 18                         | 1"-20 UNEF-2B  | 10        | 1.125            | 3    | 1.175 |
| MSA07516 | ¾"            | 16, 16S                    | ⅝"-20 UNEF-2B  | 10        | 1.250            | 1    | 1.356 |
| MSA07518 | ¾"            | 18                         | 1"-20 UNEF-2B  | 10        | 1.250            | 1    | 1.300 |
| MSA07520 | ¾"            | 20, 22                     | 1⅝"-18 UNEF-2B | 10        | 1.375            | 3    | 1.300 |
| MSA10020 | 1"            | 20, 22                     | 1⅝"-18 UNEF-2B | 10        | 1.500            | 1    | 1.431 |
| MSA10024 | 1"            | 24, 28                     | 1⅝"-18 UNEF-2B | 10        | 1.625            | 3    | 1.313 |
| MSA10032 | 1"            | 32                         | 1¾"-18 UNS-2B  | 10        | 2.000            | 3    | 1.576 |
| MSA10036 | 1"            | 36                         | 2"-18 UNS-2B   | 10        | 2.250            | 3    | 1.738 |

All items shown on this page are suitable for use in hazardous location where general-purpose equipment is specifically permitted by the NEC; Class I Div. 2; Class II, Div. 1 & 2; Class III, Div. 1 & 2.

| CAT. NO.                                    | FLEXIBLE CONDUIT SIZE | METRIC PG THREAD | A MM | B MM | C MM |
|---|-----------------------|------------------|------|------|------|
| <b>Nylon-insulated 45° angle connectors</b> |                       |                  |      |      |      |
| 7341  | ¾"                    | 11               | 27   | 29   | 14   |
| 7342  | ¾"                    | 13.5             | 27   | 29   | 14   |
| 7343  | ½"                    | 16               | 30   | 35   | 14   |
| 7344-TB                                     | ¾"                    | 21               | 34   | 42   | 14   |
| 7345  | 1"                    | 29               | 44   | 47   | 19   |
| 7346  | 1½"                   | 36               | 51   | 58   | 19   |
| 7347  | 1½"                   | 42               | 60   | 69   | 21   |
| 7348-TB                                     | 2"                    | 48               | 73   | 76   | 24   |
| <b>Nylon-insulated 90° angle connectors</b> |                       |                  |      |      |      |
| 7351  | ¾"                    | 11               | 37   | 29   | 14   |
| 7352  | ¾"                    | 13.5             | 37   | 29   | 14   |
| 7353  | ½"                    | 16               | 40   | 35   | 14   |
| 7354  | ¾"                    | 21               | 44   | 42   | 14   |
| 7355  | 1"                    | 29               | 56   | 47   | 21   |
| 7356  | 1½"                   | 36               | 70   | 58   | 21   |
| 7357  | 1½"                   | 42               | 75   | 69   | 21   |
| 7358  | 2"                    | 48               | 87   | 83   | 24   |

Steel T&B® Liquidtight flexible metal and non-metallic fittings with internal threads to accept AN-MS connector shells.

### Liquidtight Flexible Metal/MS Connectors



| CAT. NO. | TRADE SIZE | AN-MS CONN. SHELL SIZE | INTERNAL THREAD | DIMENSIONS (IN.) |    |
|----------|------------|------------------------|-----------------|------------------|----|
|          |            |                        |                 | A                | B  |
| LTA03810 | ¾"         | 10SL, 12, 12S          | ¾"-24 UNEF-2B   | 1½               | 1  |
| LTA05014 | ½"         | 14, 14S                | ¼"-20 UNEF-2B   | 1⅝               | 1¼ |
| LTA05016 | ½"         | 16, 16S                | ⅞"-20 UNEF-2B   | 1⅝               | 1¼ |
| LTA05018 | ½"         | 18                     | 1"-20 UNEF-2B   | 1⅝               | 1¼ |
| LTA07520 | ¾"         | 20, 22                 | 1⅝"-18 UNEF-2B  | 1⅝               | 1½ |
| LTA10020 | 1"         | 20, 22                 | 1⅝"-18 UNEF-2B  | 1¾               | 1⅝ |
| LTA10024 | 1"         | 25, 28                 | 1⅝"-18 UNEF-2B  | 1¾               | 1⅝ |

UL File No. E 23018

CSA File No. 2884