

# 4Q 45° and 90° Liquidtight Connectors

**NEC/CEC — Listed for Ordinary Locations**  
**NEC — Suitable for use in the following Hazardous Locations:**  
Class I, Division 2 per NEC 501.10(B)(4)  
Class I, Zone 2 per NEC 505.15(C)(2)  
Class II, Division 1 per NEC 502.10(A)(2)(2)

**NEC — Suitable for use in the following Hazardous Locations:**  
Class II, Division 2 per NEC 502.10(B)(2)  
Class III, Division 1 per NEC 503.10(A)(3)(2)  
Class III, Division 2 per NEC 503.10(B)  
Intrinsically Safe per NEC 504.20

## Applications

- To secure, ground and seal Liquidtight Flexible Metal conduit, Type LFMC, to boxes and enclosures.

## Features

- Tapered threaded male hub — NPT.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1-1/4" and larger require thread sealant).
- Suitable for grounding through 1-1/4" trade size per NEC Section 250.118(7)
- For trade sizes 1-1/2" and larger, an internal or external equipment bonding conductor is required. See 4Q-L Series with external ground lug.
- Bonding Wedge Locknuts are recommended in Hazardous Locations. See 101 Series.
- Suitable for wet locations.
- Long ferrule prevents pullout and tight bend conduit "pop-out".
- Reusable ferrule.
- Inspection windows in ferrule to ensure full engagement.

## Standard Materials

- Malleable iron: body and nut
- Steel ferrule

## Standard Finishes

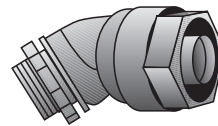
- Zinc electroplated

## Options

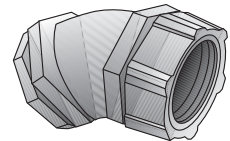
- Available hot dip/mechanically galvanized.

## NEC/CEC Certifications and Compliances

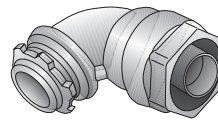
- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 009795
- Fed Spec: W-F-406E
- NEMA Standard: FB-1



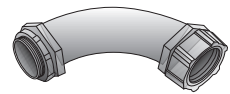
Type 4Q-438 — Type 4Q-4200



Type 4Q-4250 — Type 4Q-4500



Type 4Q-938 — Type 4Q-9200



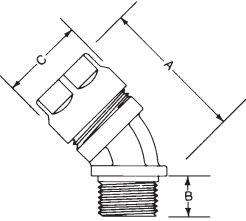
Type 4Q-9250 — Type 4Q-9500

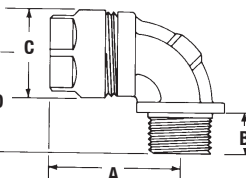
# 4Q 45° and 90° Liquidtight Connectors

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 Hazardous Locations:  
 Class II, Division 2 per NEC 502.10(B)(2)  
 Class III, Division 1 per NEC 503.10(A)(3)(2)  
 Class III, Division 2 per NEC 503.10(B)  
 Intrinsically Safe per NEC 504.20

COMMERCIAL AND INDUSTRIAL FITTINGS: LIQUIDTIGHT CONDUIT FITTINGS

|                                                                                   | Dimensions in Millimeters (Inches) |                |              |               | Catalog Number | Insulated Throat Catalog Number |
|-----------------------------------------------------------------------------------|------------------------------------|----------------|--------------|---------------|----------------|---------------------------------|
|                                                                                   | Trade Size (Inches)                | A              | B            | C Dia.        |                |                                 |
|  | 3/8 (1/2 KO)                       | 39.62 (1.56)   | 14.22 (0.56) | 28.70 (1.13)  | 4Q-438         | 4Q-438T                         |
|                                                                                   | 1/2                                | 39.62 (1.56)   | 14.22 (0.56) | 31.75 (1.25)  | 4Q-450         | 4Q-450T                         |
|                                                                                   | 3/4                                | 45.97 (1.81)   | 12.70 (0.50) | 38.10 (1.50)  | 4Q-475         | 4Q-475T                         |
|                                                                                   | 1                                  | 50.80 (2.00)   | 12.70 (0.50) | 44.45 (1.75)  | 4Q-4100        | 4Q-4100T                        |
|                                                                                   | 1-1/4                              | 69.85 (2.75)   | 16.00 (0.63) | 57.15 (2.25)  | 4Q-4125        | 4Q-4125T                        |
|                                                                                   | 1-1/2                              | 73.15 (2.88)   | 16.00 (0.63) | 66.80 (2.63)  | 4Q-4150        | 4Q-4150T                        |
|                                                                                   | 2                                  | 88.90 (3.50)   | 19.05 (0.75) | 76.20 (3.00)  | 4Q-4200        | 4Q-4200T                        |
|                                                                                   | 2-1/2                              | 190.50 (7.50)  | 25.40 (1.00) | 104.90 (4.13) | 4Q-4250        | 4Q-4250T                        |
|                                                                                   | 3                                  | 225.55 (8.88)  | 28.70 (1.13) | 123.95 (4.88) | 4Q-4300        | 4Q-4300T                        |
|                                                                                   | 4                                  | 289.05 (11.38) | 28.70 (1.13) | 155.70 (6.13) | 4Q-4400        | 4Q-4400T                        |
|                                                                                   | 5                                  | 355.60 (14.00) | 31.75 (1.25) | 187.45 (7.38) | 4Q-4500 ①      | 4Q-4500T ①                      |

|                                                                                     | Dimensions in Millimeters (Inches) |                |              |               |                | Catalog Number | Insulated Throat Catalog Number |
|-------------------------------------------------------------------------------------|------------------------------------|----------------|--------------|---------------|----------------|----------------|---------------------------------|
|                                                                                     | Trade Size (Inches)                | A              | B            | C             | D              |                |                                 |
|  | 3/8 (1/2 KO)                       | 39.62 (1.56)   | 14.22 (0.56) | 28.70 (1.13)  | 35.05 (1.38)   | 4Q-938         | 4Q-938T                         |
|                                                                                     | 1/2                                | 39.62 (1.56)   | 14.22 (0.56) | 31.75 (1.25)  | 35.05 (1.38)   | 4Q-950         | 4Q-950T                         |
|                                                                                     | 3/4                                | 45.97 (1.81)   | 12.70 (0.50) | 38.10 (1.50)  | 38.10 (1.50)   | 4Q-975         | 4Q-975T                         |
|                                                                                     | 1                                  | 50.80 (2.00)   | 12.70 (0.50) | 44.45 (1.75)  | 41.40 (1.63)   | 4Q-9100        | 4Q-9100T                        |
|                                                                                     | 1-1/4                              | 69.85 (2.75)   | 16.00 (0.63) | 57.15 (2.25)  | 54.10 (2.13)   | 4Q-9125        | 4Q-9125T                        |
|                                                                                     | 1-1/2                              | 73.15 (2.88)   | 16.00 (0.63) | 66.80 (2.63)  | 57.15 (2.25)   | 4Q-9150        | 4Q-9150T                        |
|                                                                                     | 2                                  | 88.90 (3.50)   | 19.05 (0.75) | 76.20 (3.00)  | 73.15 (2.88)   | 4Q-9200        | 4Q-9200T                        |
|                                                                                     | 2-1/2                              | 190.50 (7.50)  | 25.40 (1.00) | 104.90 (4.13) | 181.10 (7.13)  | 4Q-9250        | 4Q-9250T                        |
|                                                                                     | 3                                  | 225.55 (8.88)  | 28.70 (1.13) | 123.95 (4.88) | 215.90 (8.50)  | 4Q-9300        | 4Q-9300T                        |
|                                                                                     | 4                                  | 289.05 (11.38) | 28.70 (1.13) | 155.70 (6.13) | 279.40 (11.00) | 4Q-9400        | 4Q-9400T                        |
|                                                                                     | 5                                  | 355.60 (14.00) | 31.75 (1.25) | 187.45 (7.38) | 355.60 (14.00) | 4Q-9500 ①      | 4Q-9500T ①                      |

① UL Listing not applicable.

# 4Q 45° and 90° Liquidtight Connectors

Hot-Dip/Mechanically Galvanized with Insulated Throat

**NEC/CEC — Listed for Ordinary Locations**

**NEC — Suitable for use in the following**

**Hazardous Locations:**

*Class I, Division 2 per NEC 501.10(B)(4)*

*Class I, Zone 2 per NEC 505.15(C)(2)*

*Class II, Division 1 per NEC 502.10(A)(2)(2)*

**NEC — Suitable for use in the following**

**Hazardous Locations:**

*Class II, Division 2 per NEC 502.10(B)(2)*

*Class III, Division 1 per NEC 503.10(A)(3)(2)*

*Class III, Division 2 per NEC 503.10(B)*

*Intrinsically Safe per NEC 504.20*

## Applications

- To secure, ground and seal Liquidtight Flexible Metal conduit, Type LFMC, to boxes and enclosures.

## Features

- Tapered threaded male hub NPT.
- Compact, slim diameter with small turning radius.
- Furnished with locknut and KO sealing ring.
- Liquidtight/Raintight/Oiltight/Concretetight
- UL Listed NEMA Type 4 when installed into a NPT threaded entry or UL Listed conduit hub (sizes 1-1/4" and larger require thread sealant).
- Suitable for grounding through 1-1/4" trade size per NEC Section 250.118(7)
- For trade sizes 1-1/2" and larger, an internal or external equipment bonding conductor is required.
- Bonding wedge locknuts are recommended in hazardous locations. See 101 Series.
- Suitable for wet locations.
- Long ferrule prevents pullout and tight bend conduit "pop-out".
- Inspection windows in ferrule to ensure full engagement.
- Provided with insulated throat.

## Standard Materials

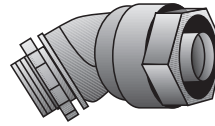
- Malleable iron: body and nut
- Steel ferrule

## Standard Finishes

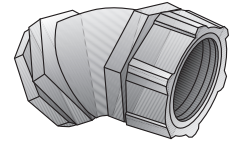
- Malleable iron - galvanized
- Steel ferrule - zinc electroplated

## NEC/CEC Certifications and Compliances

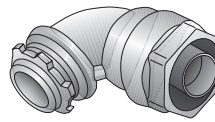
- UL Standard: ANSI/UL 514B
- UL Listed: 11853
- CSA Standard: C22.2 No. 18
- CSA Certified: 9795
- Fed Spec: W-F-406E
- NEMA Standard: FB-1



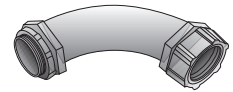
Type 4Q-438TG — Type 4Q-4200TG



Type 4Q-4250TG — Type 4Q-4500TG



Type 4Q-938TG — Type 4Q-9200TG



Type 4Q-9250TG — Type 4Q-9500TG

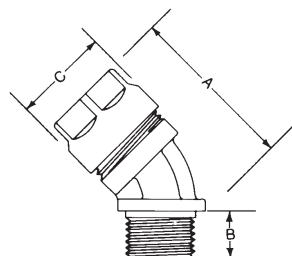
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# 4Q 45° and 90° Liquidtight Connectors

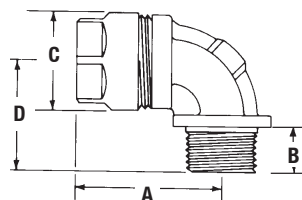
Hot-Dip/Mechanically Galvanized with Insulated Throat

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NEC — Suitable for use in the following  
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 Class II, Division 2 per NEC 502.10(B)(2)  
 Class III, Division 1 per NEC 503.10(A)(3)(2)  
 Class III, Division 2 per NEC 503.10(B)  
 Intrinsically Safe per NEC 504.20



| Trade Size<br>(Inches) | Dimensions in Millimeters (Inches) |              |               | Catalog<br>Number |
|------------------------|------------------------------------|--------------|---------------|-------------------|
|                        | A                                  | B            | C<br>Dia.     |                   |
| 3/8 (1/2 KO)           | 47.75 (1.88)                       | 14.22 (0.56) | 28.70 (1.13)  | 4Q-438TG          |
| 1/2                    | 47.75 (1.88)                       | 14.22 (0.56) | 31.75 (1.25)  | 4Q-450TG          |
| 3/4                    | 57.15 (2.25)                       | 14.22 (0.56) | 38.10 (1.50)  | 4Q-475TG          |
| 1                      | 60.45 (2.38)                       | 12.70 (0.50) | 44.45 (1.75)  | 4Q-4100TG         |
| 1-1/4                  | 82.55 (3.25)                       | 16.00 (0.63) | 57.15 (2.25)  | 4Q-4125TG         |
| 1-1/2                  | 85.85 (3.38)                       | 16.00 (0.63) | 66.80 (2.63)  | 4Q-4150TG         |
| 2                      | 101.60 (4.00)                      | 16.00 (0.63) | 76.20 (3.00)  | 4Q-4200TG         |
| 2-1/2                  | 146.05 (5.75)                      | 25.40 (1.00) | 104.90 (4.13) | 4Q-4250TG         |
| 3                      | 165.10 (6.50)                      | 28.70 (1.13) | 123.95 (4.88) | 4Q-4300TG         |
| 4                      | 190.50 (7.50)                      | 31.75 (1.25) | 155.70 (6.13) | 4Q-4400TG         |
| 5                      | 203.20 (8.00)                      | 31.75 (1.25) | 187.45 (7.38) | 4Q-4500TG ①       |



| Trade Size<br>(Inches) | Dimensions in Millimeters (Inches) |              |               |                | Catalog<br>Number |
|------------------------|------------------------------------|--------------|---------------|----------------|-------------------|
|                        | A                                  | B            | C             | D              |                   |
| 3/8 (1/2 KO)           | 39.62 (1.56)                       | 14.22 (0.56) | 28.70 (1.13)  | 35.05 (1.38)   | 4Q-938TG          |
| 1/2                    | 39.62 (1.56)                       | 14.22 (0.56) | 31.75 (1.25)  | 35.05 (1.38)   | 4Q-950TG          |
| 3/4                    | 45.97 (1.81)                       | 12.70 (0.50) | 38.10 (1.50)  | 38.10 (1.50)   | 4Q-975TG          |
| 1                      | 50.80 (2.00)                       | 12.70 (0.50) | 44.45 (1.75)  | 41.40 (1.63)   | 4Q-9100TG         |
| 1-1/4                  | 69.85 (2.75)                       | 16.00 (0.63) | 57.15 (2.25)  | 54.10 (2.13)   | 4Q-9125TG         |
| 1-1/2                  | 73.15 (2.88)                       | 16.00 (0.63) | 66.80 (2.63)  | 57.15 (2.25)   | 4Q-9150TG         |
| 2                      | 88.90 (3.50)                       | 19.05 (0.75) | 76.20 (3.00)  | 73.15 (2.88)   | 4Q-9200TG         |
| 2-1/2                  | 190.50 (7.50)                      | 25.40 (1.00) | 104.90 (4.13) | 181.10 (7.13)  | 4Q-9250TG         |
| 3                      | 225.55 (8.88)                      | 28.70 (1.13) | 123.95 (4.88) | 215.90 (8.50)  | 4Q-9300TG         |
| 4                      | 289.05 (11.38)                     | 28.70 (1.13) | 155.70 (6.13) | 279.40 (11.00) | 4Q-9400TG         |
| 5                      | 355.60 (14.00)                     | 31.75 (1.25) | 187.45 (7.38) | 355.60 (14.00) | 4Q-9500TG ①       |

① UL Listing not applicable.