

# UNF and UNY expansion unions

Cl. I, Div. 1 & 2, Groups C, D  
Cl. II, Div. 1, Groups E, F, G  
Cl. II, Div. 2, Groups F, G  
Cl. III

Explosionproof  
Dust-ignitionproof

## Applications:

UNF/UNY expansion unions are designed to be used in all threaded rigid metal<sup>A</sup> conduit systems indoors and outdoors, in hazardous locations to:

- Connect conduit to conduit
- Connect conduit to a junction box or device enclosure
- Compensate for conduit cut too short
- Allow for expansion and contraction of conduit
- Connect stub-ups to threaded conduit
- Replace sections of conduit runs

## Features:

- Compact design
- Internal beryllium copper grounding spring to ensure positive grounding continuity
- Knurled surface on body and sleeve allows secure gripping with wrench
- Steel construction for maximum strength
- Available in two styles – short length where space is limited; long length when extra expansion is required

## Certifications and compliances:

### NEC/CEC:

- Class I, Divisions 1 & 2, Groups C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III

### UL standard:

- UL1203

### CSA standard:

- C22.2 No. 30

## Standard materials:

- Body and sleeve – steel
- Grounding spring – beryllium copper

## Standard finishes:

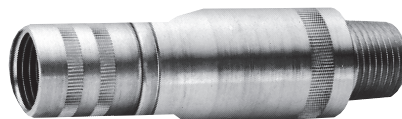
- Steel – electrogalvanized with chromate finish
- Beryllium copper – natural

## Ordering information:

### UNY/UNYL



UNYL



UNYL with sleeve extended

#### Male – short

| Hub size | Cat. # |
|----------|--------|
| 1/2"     | UNY17  |
| 3/4"     | UNY27  |
| 1"       | UNY37  |

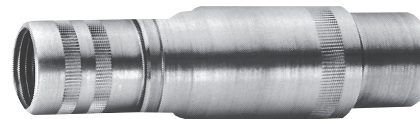
#### Male – long

| Hub size | Cat. # |
|----------|--------|
| 1/2"     | UNYL17 |
| 3/4"     | UNYL27 |
| 1"       | UNYL37 |

### UNF/UNFL



UNFL



UNFL with sleeve extended

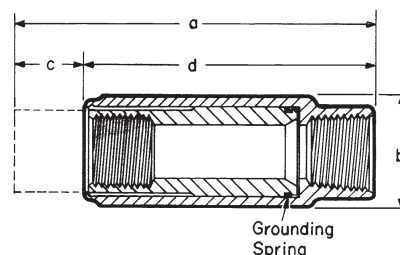
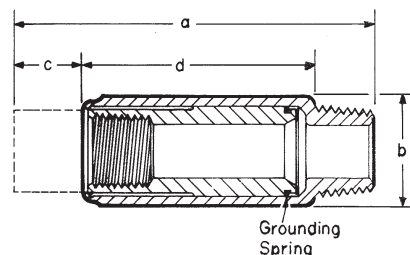
#### Female – short

| Hub size | Cat. # |
|----------|--------|
| 1/2"     | UNF17  |
| 3/4"     | UNF27  |
| 1"       | UNF37  |

#### Female – long

| Hub size | Cat. # |
|----------|--------|
| 1/2"     | UNFL17 |
| 3/4"     | UNFL27 |
| 1"       | UNFL37 |

## Dimensions (in inches):



| Hub size    | a <sup>B</sup>                 | b                               | c <sup>C</sup>                 | d                               |
|-------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| <b>UNY</b>  |                                |                                 |                                |                                 |
| 1/2"        | 3 <sup>5</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub>  | 1/2                            | 2 <sup>1</sup> / <sub>16</sub>  |
| 3/4"        | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 1/2                            | 2 <sup>5</sup> / <sub>16</sub>  |
| 1"          | 3 <sup>1</sup> / <sub>2</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 5/8                            | 2 <sup>3</sup> / <sub>4</sub>   |
| <b>UNYL</b> |                                |                                 |                                |                                 |
| 1/2"        | 4 <sup>5</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub>  | 1                              | 2 <sup>9</sup> / <sub>16</sub>  |
| 3/4"        | 4 <sup>1</sup> / <sub>2</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 2 <sup>11</sup> / <sub>16</sub> |
| 1"          | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>16</sub> | 2 <sup>15</sup> / <sub>16</sub> |
| <b>UNF</b>  |                                |                                 |                                |                                 |
| 1/2"        | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>16</sub>  | 1/2                            | 2 <sup>5</sup> / <sub>16</sub>  |
| 3/4"        | 3 <sup>1</sup> / <sub>2</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 1/2                            | 2 <sup>15</sup> / <sub>16</sub> |
| 1"          | 3 <sup>1</sup> / <sub>2</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 5/8                            | 3 <sup>3</sup> / <sub>16</sub>  |
| <b>UNFL</b> |                                |                                 |                                |                                 |
| 1/2"        | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>16</sub>  | 1                              | 3 <sup>3</sup> / <sub>8</sub>   |
| 3/4"        | 4 <sup>9</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>   |
| 1"          | 5 <sup>1</sup> / <sub>8</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>16</sub> | 3 <sup>13</sup> / <sub>16</sub> |

<sup>A</sup> Suitable with intermediate metal conduit in non-hazardous locations.

<sup>B</sup> Overall length at maximum expansion.

<sup>C</sup> Maximum expansion.