

## 1485 Series Lay-In Wireway - NEMA 12



Wireway & Trough

### Application

- Designed to enclose and protect electrical wiring from dirt, dust, oil and water.
- All sections and fittings are completely open on each side to allow wires and cables to be placed into the wireway without “pulling through”.

### Standards

- UL 870 Type 1 (unless marked1)
- CSA Type 1 (unless marked1)
- Complies with
  - NEMA Type 12
  - JIC EMP-1-1967
  - JIC EGP-1-1967
  - IEC 60529, IP54

### Construction

- Bodies and covers are formed from 14-gauge steel with 10 gauge steel flanges.
- 12" x 6" size has a 12 gauge steel body with a 14-gauge cover.
- Smooth continuously welded seams.
- Interior surfaces are smooth to prevent wire damage during installation.
- Butt hinged cover is secured with easily operated quick release clamps.
- Oil resistant gaskets are permanently secured.
- Solid oil resistant gaskets are used between flanges when sections and fittings are bolted together.
- One gasket kit, complete with hardware is provided with each straight section or fitting.
- Sealing plate is supplied.
- Flange junctions are sealed with gasket sealing plates, which are put in place after wiring is completed. One is supplied with all straight sections and most fittings; see table for exact number.

### Finish

- Sections and components are finished in ANSI 61 gray powder coating.

### Notes

- When joining a wireway section or fitting to an enclosure be sure to order a box connector.
- When joining two wireway sections, or joining a wireway section to a fitting, a flat sealing plate is required at each junction; necessary kits are supplied with each section and fitting. See table, extra kits may be ordered if necessary.
- When joining a lay-in wireway section or fitting to a closure plate, a box connector, or cut-off fitting, an angle sealing plate is required at each junction.
- Necessary kits are supplied with each section and fitting - see table. Extra kits, although not normally required, are necessary when joining lay-in wireway to a non-lay-in section or fitting section.

Lay-In Wireway

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| Description                         | Sealing Plates<br>Supplied | 2.5 x 2.5<br>Part No. | 4 x 4<br>Part No.     | 6 x 6<br>Part No.     | 8 x 8<br>Part No.     | 12 x 6<br>Part No.    |
|-------------------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 6" Section                          | 1 Flat                     | 1485B6                | 1485C6                | 1485D6                | 1485E6                | 1485F6                |
| 12" Section                         | 1 Flat                     | 1485B12               | 1485C12               | 1485D12               | 1485E12               | 1485F12               |
| 24" Section                         | 1 Flat                     | 1485B24               | 1485C24               | 1485D24               | 1485E24               | 1485F24               |
| 36" Section                         | 1 Flat                     | 1485B36               | 1485C36               | 1485D36               | 1485E36               | 1485F36               |
| 48" Section                         | 1 Flat                     | 1485B48               | 1485C48               | 1485D48               | 1485E48               | 1485F48               |
| 60" Section                         | 1 Flat                     | 1485B60               | 1485C60               | 1485D60               | 1485E60               | 1485F60               |
| 120" Section                        | 1 Flat                     | 1485B120              | 1485C120              | 1485D120              | 1485E120              | 1485F120              |
| 60" Long Partition (Barrier)        | —                          | —                     | 1487CB60 <sup>1</sup> | 1487DB60 <sup>1</sup> | 1487EB60 <sup>1</sup> | 1487FB60 <sup>1</sup> |
| 1" Nipple                           | 1 Flat                     | 1485BM1               | 1485CM1               | 1485DM1               | —                     | —                     |
| 2" Nipple                           | 1 Flat                     | 1485BM2               | 1485CM2               | 1485DM2               | —                     | —                     |
| 3" Nipple                           | 1 Flat                     | 1485BM3               | 1485CM3               | 1485DM3               | —                     | —                     |
| Box Entry Swivel Nipple             | 1 Angle                    | 1485BV1               | 1485CV1               | 1485DV1               | 1485EV1               | —                     |
| Standard Swivel Nipple              | 2 Angle                    | 1485BV2               | 1485CV2               | 1485DV2               | 1485EV2               | —                     |
| 12" Transposition Clockwise         | 1 Flat                     | 1485BZ12              | 1485CZ12              | 1485DZ12              | 1485EZ12              | —                     |
| 12" Transposition Counter-Clockwise | 1 Flat                     | 1485BZC12             | 1485CZC12             | 1485DZC12             | 1485EZC12             | —                     |
| Flexible Fitting                    | None                       | 1485BFF               | 1485CFF               | 1485DFF               | 1485EFF               | —                     |
| Adjustable Fitting                  | 1 Spec.                    | 1485BX <sup>1</sup>   | 1485CX <sup>1</sup>   | 1485DX <sup>1</sup>   | 1485EX <sup>1</sup>   | 1485FX <sup>1</sup>   |
| Cut-Off Fitting Lay-In              | 1 Flat                     | 1485BW1 <sup>1</sup>  | 1485CW1 <sup>1</sup>  | 1485DW1 <sup>1</sup>  | 1485EW1 <sup>1</sup>  | 1485FW1 <sup>1</sup>  |
| Cut-Off Fitting Non Lay-In          | 1 Angle                    | 1485BW2 <sup>1</sup>  | 1485CW2 <sup>1</sup>  | 1485DW2 <sup>1</sup>  | 1485EW2 <sup>1</sup>  | 1485FW2 <sup>1</sup>  |
| 90° Elbow, Top Opening              | 1 Flat                     | 1485B9N               | 1485C9N               | 1485D9N               | 1485E9N               | 1485F9N               |
| 90° Elbow, Inside Opening           | 1 Flat                     | 1485B9P               | 1485C9P               | 1485D9P               | 1485E9P               | 1485F9P               |
| 90° Elbow, Outside Opening          | 1 Flat                     | 1485B9Q               | 1485C9Q               | 1485D9Q               | 1485E9Q               | 1485F9Q               |
| 45° Elbow, Top Opening              | 1 Flat                     | 1485B4N               | 1485C4N               | 1485D4N               | 1485E4N               | 1485F4N               |
| 45° Elbow, Inside Opening           | 1 Flat                     | 1485B4P               | 1485C4P               | 1485D4P               | 1485E4P               | —                     |
| 45° Elbow, Outside Opening          | 1 Flat                     | 1485B4Q               | 1485C4Q               | 1485D4Q               | 1485E4Q               | —                     |
| Tee Fitting, Top Opening            | 2 Flat                     | 1485BTN               | 1485CTN               | 1485DTN               | 1485ETN               | 1485FTN               |
| Tee Fitting, Outside & Top Opening  | 2 Flat                     | 1485BTQ               | 1485CTQ               | 1485DTQ               | 1485ETQ               | —                     |
| Cross Fitting                       | 3 Flat                     | 1485BY                | 1485CY                | 1485DY                | 1485EY                | 1485FY                |
| Reducer 4 x 4 to 2.5 x 2.5          | None                       | —                     | 1485CRE               | —                     | —                     | —                     |
| Reducer 6 x 6 to 4 x 4              | None                       | —                     | —                     | 1485DRE               | —                     | —                     |
| Reducer 8 x 8 to 6 x 6              | None                       | —                     | —                     | —                     | 1485ERE               | —                     |
| Reducer 12 x 6 to 4 x 4             | None                       | —                     | —                     | —                     | —                     | 1485FREC              |
| Reducer 12 x 6 to 6 x 6             | None                       | —                     | —                     | —                     | —                     | 1485FRED              |
| Junction Box                        | 1 Flat                     | 1485BJ                | 1485CJ                | 1485DJ                | 1485EJ                | —                     |
| Box Connector                       | 1 Angle                    | 1485BK <sup>1</sup>   | 1485CK <sup>1</sup>   | 1485DK <sup>1</sup>   | 1485EK <sup>1</sup>   | 1485FK <sup>1</sup>   |
| Drop Hanger                         | None                       | 1485BL1 <sup>1</sup>  | 1485CL1 <sup>1</sup>  | 1485DL1 <sup>1</sup>  | 1485EL1 <sup>1</sup>  | —                     |
| Bracket Hanger                      | None                       | 1485BL2 <sup>1</sup>  | 1485CL2 <sup>1</sup>  | 1485DL2 <sup>1</sup>  | 1485EL2 <sup>1</sup>  | —                     |
| Cover Plate                         | 1 Angle                    | 1485BH <sup>2</sup>   | 1485CH <sup>2</sup>   | 1485DH <sup>2</sup>   | 1485EH <sup>2</sup>   | 1485FH <sup>2</sup>   |
| Snap On Flat Sealing Plate          | None                       | 1485BSM <sup>2</sup>  | 1485CSM <sup>2</sup>  | 1485DSM <sup>2</sup>  | 1485ESM <sup>2</sup>  | 1485FSM <sup>2</sup>  |
| Angle Sealing Plate                 | None                       | 1485BS9 <sup>2</sup>  | 1485CS9 <sup>2</sup>  | 1485DS9 <sup>2</sup>  | 1485ES9 <sup>2</sup>  | 1485FS9 <sup>2</sup>  |

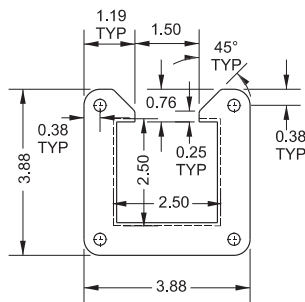
<sup>1</sup> Does not meet CSA or UL requirements

<sup>2</sup> Maintains ratings on CSA and UL approved wireway

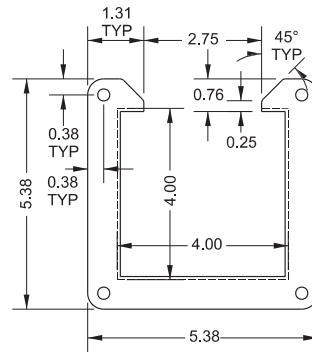
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Wireway & Trough

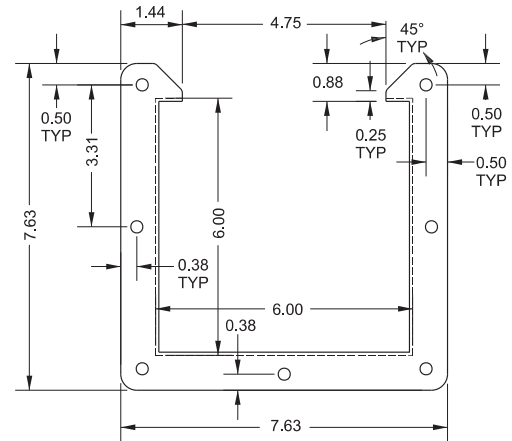
Lay-In Wireway



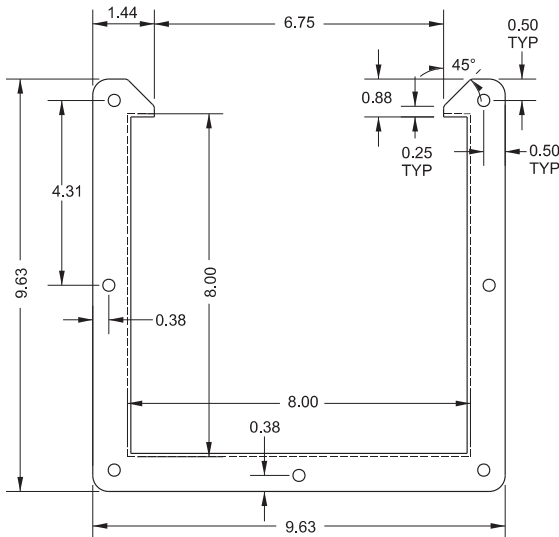
**2.5 x 2.5**



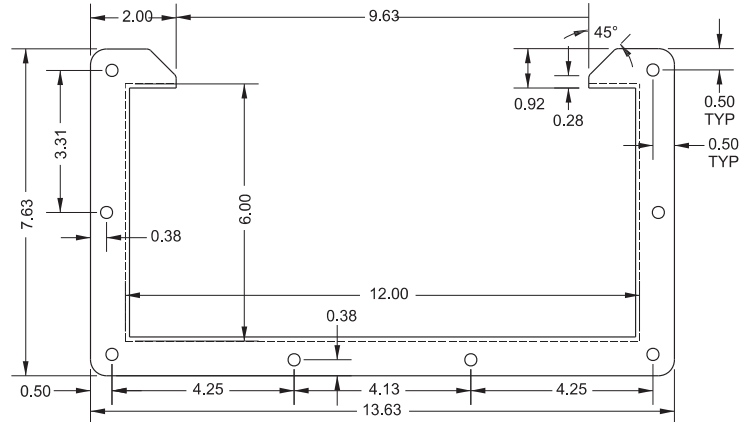
**4 x 4**



**6 x 6**



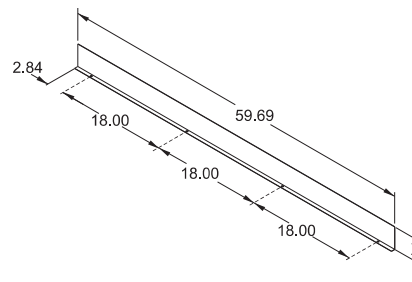
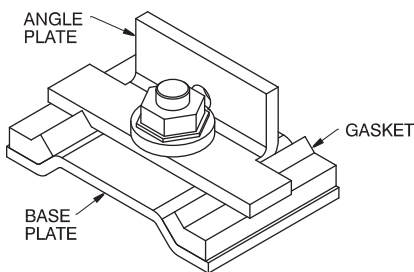
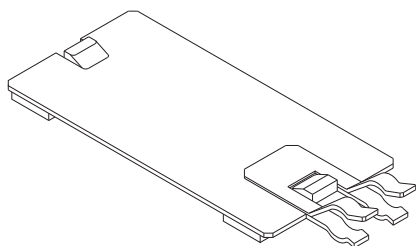
**8 x 8**



**12 x 6**

All unmarked diameters are 0.28  
All unmarked radii are 0.38

## 1485 Series Lay-In Wireway - NEMA 12



### Snap On Flat Sealing Plate

| Part No.       | Size      |
|----------------|-----------|
| <b>1485BSM</b> | 2.5 x 2.5 |
| <b>1485CSM</b> | 4 x 4     |
| <b>1485DSM</b> | 6 x 6     |
| <b>1485ESM</b> | 8 x 8     |
| <b>1485FSM</b> | 12 x 6    |

Maintains ratings on CSA and UL approved wireway

### Angle Sealing Plate

| Part No.       | Size      |
|----------------|-----------|
| <b>1485BS9</b> | 2.5 x 2.5 |
| <b>1485CS9</b> | 4 x 4     |
| <b>1485DS9</b> | 6 x 6     |
| <b>1485ES9</b> | 8 x 8     |
| <b>1485FS9</b> | 12 x 6    |

Maintains ratings on CSA and UL approved wireway

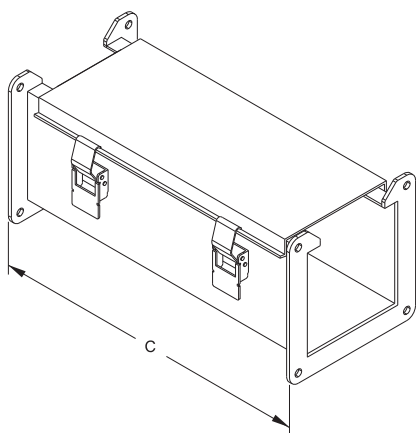
### Partition (Barrier) Kit

- Divides wireway into two or more compartments. Barriers are fastened to wireway sections with screws.

| Part No.        | Size   | X    |
|-----------------|--------|------|
| <b>1487CB60</b> | 4 x 4  | 3.72 |
| <b>1487DB60</b> | 6 x 6  | 5.72 |
| <b>1487EB60</b> | 8 x 8  | 7.72 |
| <b>1487DB60</b> | 12 x 6 | 5.72 |

Does not meet CSA or UL requirements

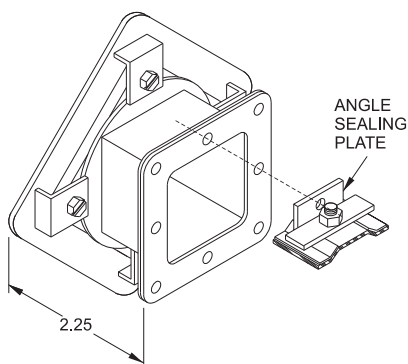
Wireway & Trough



### Typical Straight Section

| C=6" Section Part No. | C=12" Section Part No. | C=24" Section Part No. | C=36" Section Part No. | C=48" Section Part No. | C=60" Section Part No. | C=120" Section Part No. | Size      |
|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-----------|
| <b>1485B6</b>         | <b>1485B12</b>         | <b>1485B24</b>         | <b>1485B36</b>         | <b>1485B48</b>         | <b>1485B60</b>         | <b>1485B120</b>         | 2.5 x 2.5 |
| <b>1485C6</b>         | <b>1485C12</b>         | <b>1485C24</b>         | <b>1485C36</b>         | <b>1485C48</b>         | <b>1485C60</b>         | <b>1485C120</b>         | 4 x 4     |
| <b>1485D6</b>         | <b>1485D12</b>         | <b>1485D24</b>         | <b>1485D36</b>         | <b>1485D48</b>         | <b>1485D60</b>         | <b>1485D120</b>         | 6 x 6     |
| <b>1485E6</b>         | <b>1485E12</b>         | <b>1485E24</b>         | <b>1485E36</b>         | <b>1485E48</b>         | <b>1485E60</b>         | <b>1485E120</b>         | 8 x 8     |
| <b>1485F6</b>         | <b>1485F12</b>         | <b>1485F24</b>         | <b>1485F36</b>         | <b>1485F48</b>         | <b>1485F60</b>         | <b>1485F120</b>         | 12 x 6    |

One flat sealing plate included



### Box Entry or Standard Swivel Nipple

| Box Entry Swivel Nipple Part No. | Standard Swivel Nipple Part No. | Size      |
|----------------------------------|---------------------------------|-----------|
| <b>1485BV1<sup>1</sup></b>       | <b>1485BV2<sup>2</sup></b>      | 2.5 x 2.5 |
| <b>1485CV1<sup>1</sup></b>       | <b>1485CV2<sup>2</sup></b>      | 4 x 4     |
| <b>1485DV1<sup>1</sup></b>       | <b>1485DV2<sup>2</sup></b>      | 6 x 6     |
| <b>1485EV1<sup>1</sup></b>       | <b>1485EV2<sup>2</sup></b>      | 8 x 8     |

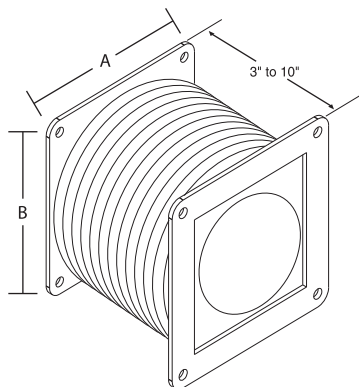
<sup>1</sup>One angle sealing plate included

<sup>2</sup>Two angle sealing plates included

Lay-In Wireway

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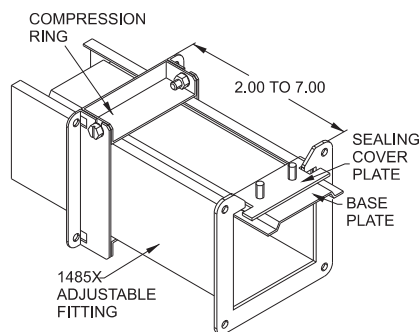
Wireway & Trough



## Flexible Fitting

- Allows for easy alignment of sections or fittings
- Metal flanges
- Flexible synthetic "bellows" middle section

| Part No. | A   | B   |
|----------|-----|-----|
| 1485BFF  | 2.5 | 2.5 |
| 1485CFF  | 4   | 4   |
| 1485DFF  | 6   | 6   |
| 1485EFF  | 8   | 8   |

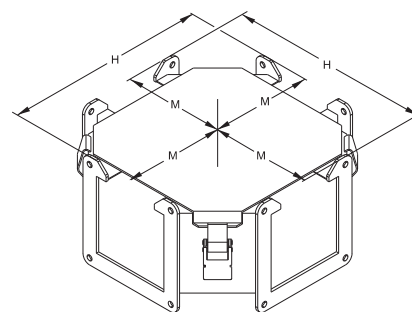


## Adjustable Fitting

- Allows on site length adjustment of 2" to 7"

| Part No. | Size      |
|----------|-----------|
| 1485BX   | 2.5 x 2.5 |
| 1485CX   | 4 x 4     |
| 1485DX   | 6 x 6     |
| 1485EX   | 8 x 8     |
| 1485FX   | 12 x 6    |

One special sealing plate included  
Does not meet CSA or UL requirements

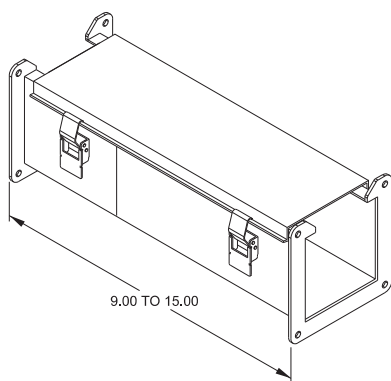


## Cross Fitting

| Part No. | Size      | H     | M    |
|----------|-----------|-------|------|
| 1485BY   | 2.5 x 2.5 | 8.50  | 4.25 |
| 1485CY   | 4 x 4     | 10.00 | 5.00 |
| 1485DY   | 6 x 6     | 12.00 | 6.00 |
| 1485EY   | 8 x 8     | 14.00 | 7.00 |
| 1485FY   | 12 x 6    | 18.00 | 9.00 |

Three flat sealing plates included

Lay-In Wireway

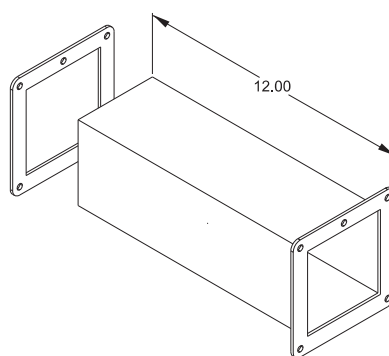


## Cut-Off Fitting (Lay-In)

- Body comes in two pieces. Cut-off one piece, shorten cover, and weld together.
- Includes angle sealing plate.

| Part No. | Size      |
|----------|-----------|
| 1485BW1  | 2.5 x 2.5 |
| 1485CW1  | 4 x 4     |
| 1485DW1  | 6 x 6     |
| 1485EW1  | 8 x 8     |
| 1485FW1  | 12 x 6    |

One flat sealing plate included  
Does not meet CSA or UL requirements

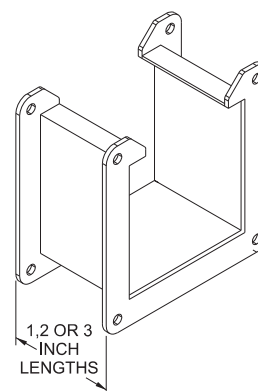


## Cut-Off Fitting (Non Lay-in)

- For lengths up to 12". Cut off body and weld on flange.

| Part No. | Size      |
|----------|-----------|
| 1485BW2  | 2.5 x 2.5 |
| 1485CW2  | 4 x 4     |
| 1485DW2  | 6 x 6     |
| 1485EW2  | 8 x 8     |
| 1485FW2  | 12 x 6    |

One angle sealing plate included  
Does not meet CSA or UL requirements



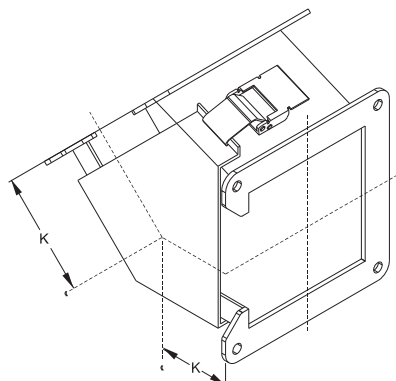
## Typical Nipple

- Lay-in nipples come with a special sealing plate which cannot be used adjacent to swivel nipples (use 1487 Series nipples)

| 1" Nipple Part No. | 2" Nipple Part No. | 3" Nipple Part No. | Size      |
|--------------------|--------------------|--------------------|-----------|
| 1485BM1            | 1485BM2            | 1485BM3            | 2.5 x 2.5 |
| 1485CM1            | 1485CM2            | 1485CM3            | 4 x 4     |
| 1485DM1            | 1485DM2            | 1485DM3            | 6 x 6     |

One flat sealing plate included

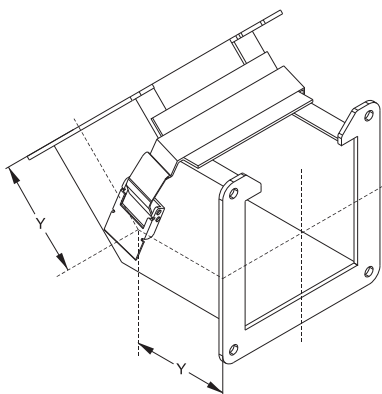
## 1485 Series Lay-In Wireway - NEMA 12



**45° Elbow  
Top Opening**

| Part No. | Size      | K    |
|----------|-----------|------|
| 1485B4N  | 2.5 x 2.5 | 2.28 |
| 1485C4N  | 4 x 4     | 2.60 |
| 1485D4N  | 6 x 6     | 3.00 |
| 1485E4N  | 8 x 8     | 3.41 |
| 1485F4N  | 12 x 6    | 4.24 |

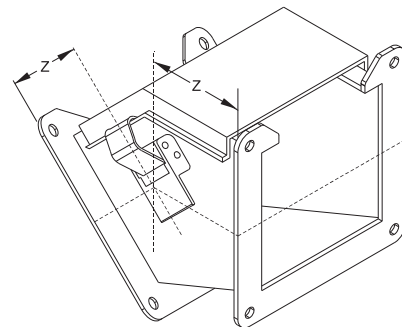
One flat sealing plate included



**45° Elbow  
Inside Opening**

| Part No. | Size      | Y    |
|----------|-----------|------|
| 1485B4P  | 2.5 x 2.5 | 2.28 |
| 1485C4P  | 4 x 4     | 2.59 |
| 1485D4P  | 6 x 6     | 3.00 |
| 1485E4P  | 8 x 8     | 3.41 |

One flat sealing plate included

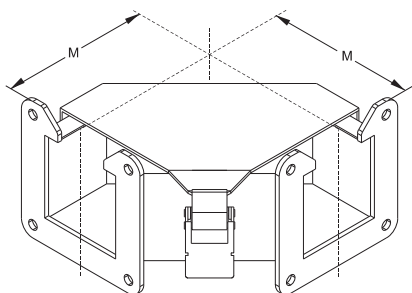


**45° Elbow  
Outside Opening**

| Part No. | Size      | Z    |
|----------|-----------|------|
| 1485B4Q  | 2.5 x 2.5 | 2.29 |
| 1485C4Q  | 4 x 4     | 2.61 |
| 1485D4Q  | 6 x 6     | 3.02 |
| 1485E4Q  | 8 x 8     | 3.44 |

One flat sealing plate included

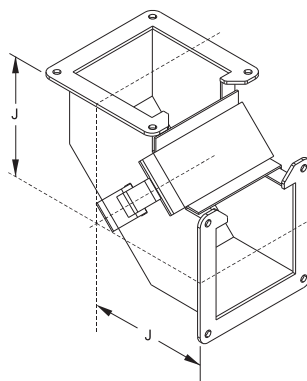
Wireway & Trough



**90° Elbow  
Top Opening**

| Part No. | Size      | M    |
|----------|-----------|------|
| 1485B9N  | 2.5 x 2.5 | 4.25 |
| 1485C9N  | 4 x 4     | 5.00 |
| 1485D9N  | 6 x 6     | 6.00 |
| 1485E9N  | 8 x 8     | 7.00 |
| 1485F9N  | 12 x 6    | 9.00 |

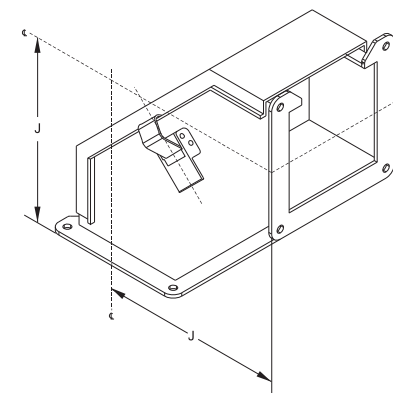
One flat sealing plate included



**90° Elbow  
Inside Opening**

| Part No. | Size      | J    |
|----------|-----------|------|
| 1485B9P  | 2.5 x 2.5 | 4.25 |
| 1485C9P  | 4 x 4     | 5.00 |
| 1485D9P  | 6 x 6     | 6.00 |
| 1485E9P  | 8 x 8     | 7.00 |
| 1485F9P  | 12 x 6    | 6.00 |

One flat sealing plate included



**90° Elbow  
Outside Opening**

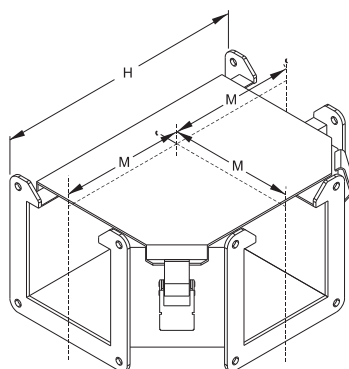
| Part No. | Size      | J    |
|----------|-----------|------|
| 1485B9Q  | 2.5 x 2.5 | 4.25 |
| 1485C9Q  | 4 x 4     | 5.00 |
| 1485D9Q  | 6 x 6     | 6.00 |
| 1485E9Q  | 8 x 8     | 7.00 |
| 1485F9Q  | 12 x 6    | 6.00 |

One flat sealing plate included

Lay-In Wireway

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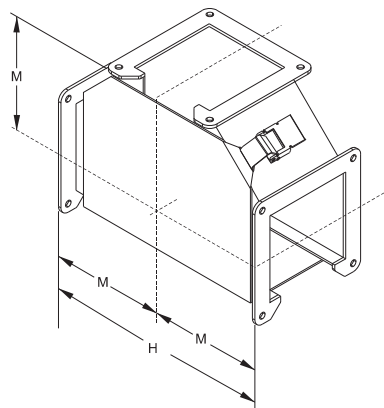
Wireway & Trough



## Tee Fitting Top Opening

| Part No. | Size      | H     | M    |
|----------|-----------|-------|------|
| 1485BTN  | 2.5 x 2.5 | 8.50  | 4.25 |
| 1485CTN  | 4 x 4     | 10.00 | 5.00 |
| 1485DTN  | 6 x 6     | 12.00 | 6.00 |
| 1485ETN  | 8 x 8     | 14.00 | 7.00 |
| 1485FTN  | 12 x 6    | 18.00 | 9.00 |

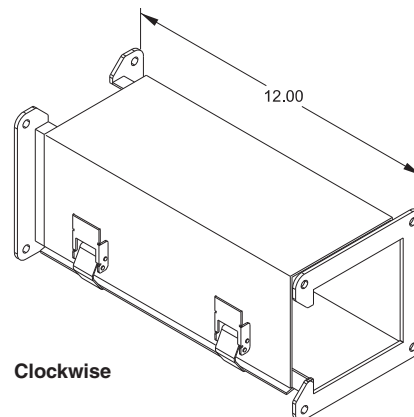
Two flat sealing plates included



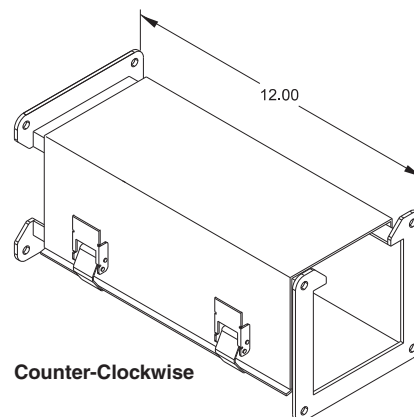
## Tee Fitting Outside and Top Opening

| Part No. | Size      | H     | M    |
|----------|-----------|-------|------|
| 1485BTQ  | 2.5 x 2.5 | 8.50  | 4.25 |
| 1485CTQ  | 4 x 4     | 10.00 | 5.00 |
| 1485DTQ  | 6 x 6     | 12.00 | 6.00 |
| 1485ETQ  | 8 x 8     | 14.00 | 7.00 |

Two flat sealing plates included



Clockwise



Counter-Clockwise

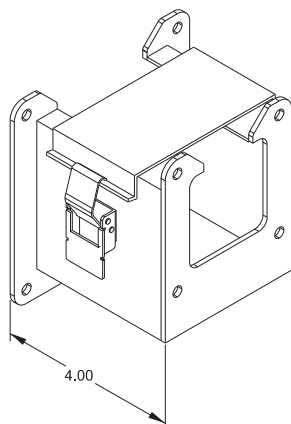
## 12" Transposition Sections Clockwise & Counter-Clockwise

- Used to rotate the open side of a wireway run by 90° and maintain the lay-in feature

| Clockwise Part No. | Counter-Clockwise Part No. | Size      |
|--------------------|----------------------------|-----------|
| 1485BZ12           | 1485BZC12                  | 2.5 x 2.5 |
| 1485CZ12           | 1485CZC12                  | 4 x 4     |
| 1485DZ12           | 1485DZC12                  | 6 x 6     |
| 1485EZ12           | 1485EZC12                  | 8 x 8     |

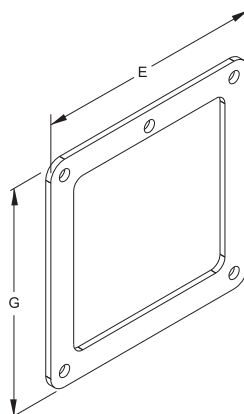
One flat sealing plate included

Lay-In Wireway



## Reducers

| Part No. | Reduces from | to        |
|----------|--------------|-----------|
| 1485CRE  | 4 x 4        | 2.5 x 2.5 |
| 1485DRE  | 6 x 6        | 4 x 4     |
| 1485ERE  | 8 x 8        | 6 x 6     |
| 1485FREC | 12 x 6       | 4 x 4     |
| 1485FRED | 12 x 6       | 6 x 6     |



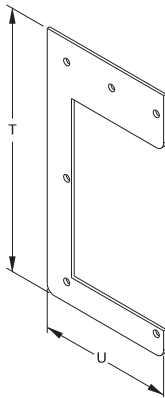
## Box Connector

- Use inside box when entering with "Lay-In" Wireway.

| Part No. | Size      | E     | G    |
|----------|-----------|-------|------|
| 1485BK   | 2.5 x 2.5 | 3.87  | 3.87 |
| 1485CK   | 4 x 4     | 5.37  | 5.37 |
| 1485DK   | 6 x 6     | 7.62  | 7.62 |
| 1485EK   | 8 x 8     | 9.62  | 9.62 |
| 1485FK   | 12 x 6    | 13.62 | 7.62 |

One angled sealing plate included

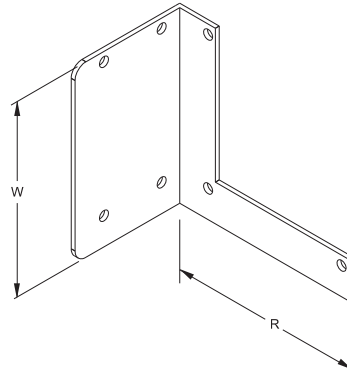
# 1485 Series Lay-In Wireway - NEMA 12



## Drop Hanger

| Part No.       | Size      | T     | U     |
|----------------|-----------|-------|-------|
| <b>1485BL1</b> | 2.5 x 2.5 | 9.25  | 4.50  |
| <b>1485CL1</b> | 4 x 4     | 11.75 | 6.00  |
| <b>1485DL1</b> | 6 x 6     | 15.25 | 8.12  |
| <b>1485EL1</b> | 8 x 8     | 20.56 | 12.12 |

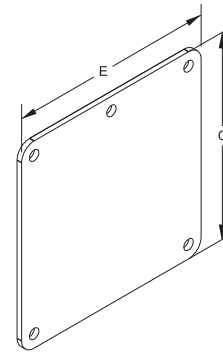
Does not meet CSA or UL requirements



## Bracket Hanger

| Part No.       | Size      | R     | W    |
|----------------|-----------|-------|------|
| <b>1485BL2</b> | 2.5 x 2.5 | 4.62  | 4.37 |
| <b>1485CL2</b> | 4 x 4     | 6.12  | 5.87 |
| <b>1485DL2</b> | 6 x 6     | 8.25  | 7.87 |
| <b>1485EL2</b> | 8 x 8     | 10.25 | 9.87 |

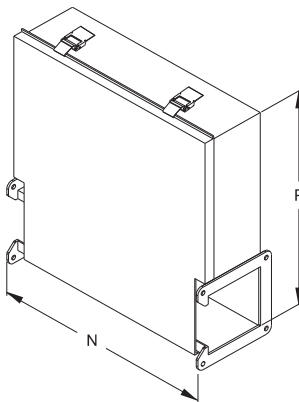
Does not meet CSA or UL requirements



## Cover Plate

| Part No.      | Size      | E     | G    |
|---------------|-----------|-------|------|
| <b>1485BH</b> | 2.5 x 2.5 | 3.87  | 3.87 |
| <b>1485CH</b> | 4 x 4     | 5.37  | 5.37 |
| <b>1485DH</b> | 6 x 6     | 7.62  | 7.62 |
| <b>1485EH</b> | 8 x 8     | 9.62  | 9.62 |
| <b>1485FH</b> | 12 x 6    | 13.62 | 7.62 |

One angled sealing plate included  
Maintains ratings on CSA and UL  
approved wireway



## Junction Box

- Includes inner panel.

| Part No.      | Size      | N     | P     | Panel Size    |
|---------------|-----------|-------|-------|---------------|
| <b>1485BJ</b> | 2.5 x 2.5 | 12.00 | 10.25 | 8.75 x 6.87   |
| <b>1485CJ</b> | 4 x 4     | 14.00 | 13.87 | 10.75 x 8.87  |
| <b>1485DJ</b> | 6 x 6     | 16.00 | 17.87 | 12.75 x 10.87 |
| <b>1485EJ</b> | 8 x 8     | 18.00 | 21.87 | 14.75 x 12.87 |

One flat sealing plate included

Wireway & Trough

Lay-In Wireway