

## STAINLESS STEEL FEED-THROUGH WIREWAY, NEMA TYPE 4X



### INDUSTRY STANDARDS

UL 870 Listed; File No. E27524

NEMA Type 4, 4X, 12  
CSA, File No. 42184, Type 1  
IEC 60529, IP66

### APPLICATION

Stainless steel wireway protects wiring in applications that are regularly hosed down, very wet or highly corrosive. A complete selection of sections and fittings is available in multiple sizes for customization and design flexibility.

### FEATURES

- Seams continuously welded and ground smooth
- No holes or knockouts
- Smooth, rounded edges on all sections and fittings
- Butt hinges and external screw clamps
- Oil-resistant gasket and adhesive

### SPECIFICATIONS

- 16 gauge Type 304 stainless steel covers and bodies
- 10 gauge stainless steel flanges

### FINISH

No. 2B finish.

### Standard Product Selection Matrix

| Description                                                          | 4.00 x 4.00 in.<br>(102 x 102 mm) | 6.00 x 6.00 in.<br>(152 x 152 mm) |
|----------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| 12.00-in. (305-mm) Straight Section                                  | F44W12SS <sup>b,c</sup>           | F66W12SS <sup>b,c</sup>           |
| 24.00-in. (610-mm) Straight Section                                  | F44W24SS <sup>b,c</sup>           | F66W24SS <sup>b,c</sup>           |
| 36.00-in. (914-mm) Straight Section                                  | F44W36SS <sup>b,c</sup>           | F66W36SS <sup>b,c</sup>           |
| 48.00-in. (1219-mm) Straight Section                                 | F44W48SS <sup>b,c</sup>           | F66W48SS <sup>b,c</sup>           |
| 60.00-in. (1524-mm) Straight Section                                 | F44W60SS <sup>b,c</sup>           | F66W60SS <sup>b,c</sup>           |
| 120.00-in. (3048-mm) Straight Section                                | F44W120SS <sup>b,c</sup>          | F66W120SS <sup>b,c</sup>          |
| Flexible Fitting                                                     | F44WFFSS                          | F66WFFSS                          |
| Telescope Fitting                                                    | F44WASS                           | F66WASS                           |
| 45° Elbow                                                            | F44WE45SS <sup>b,c</sup>          | F66WE45SS <sup>b,c</sup>          |
| 90° Elbow                                                            | F44WE90SS <sup>b,c</sup>          | F66WE90SS <sup>b,c</sup>          |
| Tee                                                                  | F44WTSS <sup>b,c</sup>            | F66WTSS <sup>b,c</sup>            |
| Closure Plate                                                        | F44WPSS                           | F66WPSS                           |
| Reducer Bushings: 6.00-in. (152-mm) to 4.00-in. (102-mm) Center Hole | —                                 | F66WR44SS                         |
| Reducer Bushings: 6.00-in. (152-mm) to 4.00-in. (102-mm) Edge Hole   | —                                 | F66WRE44SS                        |
| 6.00-in. (152-mm) Nipple                                             | F44WN6SS <sup>b</sup>             | F66WN6SS <sup>b,c</sup>           |
| Swivel Nipple (Regular)                                              | F44WSCSS <sup>b,c</sup>           | —                                 |
| Drop Hanger                                                          | F44HDSS                           | F66HDSS                           |
| Bracket Hanger                                                       | F44HBSS                           | F66HBSS                           |
| Box Connector                                                        | F44WBSS                           | F66WBSS                           |
| Gasket and Screws <sup>a</sup>                                       | F44WGSS                           | F66WGSS                           |

<sup>a</sup>Standard packages of wireway contain one gasket and one set of screws to join sections, except "Tee" fittings which contain two of each, and "Telescope" fittings which contain none. Additional gasket and screw sets may be ordered by catalog number.

<sup>b</sup>Certified by Canadian Standards Association.

<sup>c</sup>UL 870

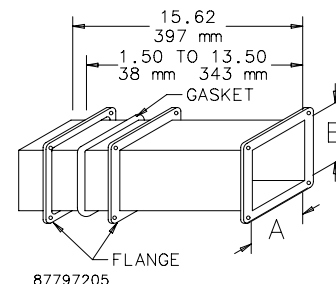
### TELESCOPE FITTING

Length is easily adjustable from 1.50 in. (38 mm) to 13.50 in. (343 mm). No cutting or welding required.

#### BULLETIN: F22

| Catalog Number | AxB in./mm               |
|----------------|--------------------------|
| F44WASS        | 4.00 x 4.00<br>102 x 102 |
| F66WASS        | 6.00 x 6.00<br>152 x 152 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.



STRAIGHT SECTION

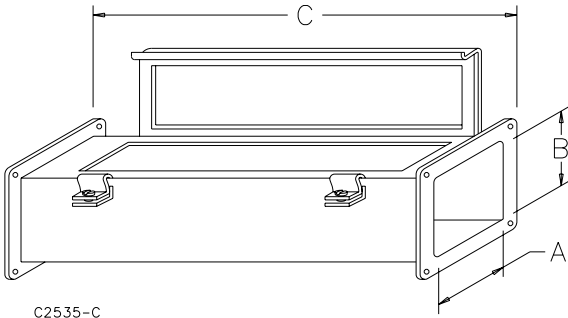
Available in lengths from 12.00 in. (305 mm) to 120.00 in. (3048 mm).

BULLETIN: F22

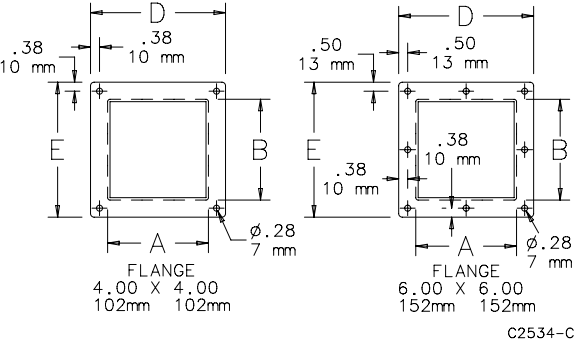
| Catalog Number | AxBxC in.            | AxBxC mm         | D (in.) | D (mm) | E (in.) | E (mm) |
|----------------|----------------------|------------------|---------|--------|---------|--------|
| F44W12SS       | 4.00 x 4.00 x 12.00  | 102 x 102 x 305  | 5.38    | 137    | 5.38    | 137    |
| F44W24SS       | 4.00 x 4.00 x 24.00  | 102 x 102 x 610  | 5.38    | 137    | 5.38    | 137    |
| F44W36SS       | 4.00 x 4.00 x 36.00  | 102 x 102 x 914  | 5.38    | 137    | 5.38    | 137    |
| F44W48SS       | 4.00 x 4.00 x 48.00  | 102 x 102 x 1219 | 5.38    | 137    | 5.38    | 137    |
| F44W60SS       | 4.00 x 4.00 x 60.00  | 102 x 102 x 1524 | 5.38    | 137    | 5.38    | 137    |
| F44W120SS      | 4.00 x 4.00 x 120.00 | 102 x 102 x 3048 | 5.38    | 137    | 5.38    | 137    |
| F66W12SS       | 6.00 x 6.00 x 12.00  | 152 x 152 x 305  | 7.62    | 194    | 7.62    | 194    |
| F66W24SS       | 6.00 x 6.00 x 24.00  | 152 x 152 x 610  | 7.62    | 194    | 7.62    | 194    |
| F66W36SS       | 6.00 x 6.00 x 36.00  | 152 x 152 x 914  | 7.62    | 194    | 7.62    | 194    |
| F66W48SS       | 6.00 x 6.00 x 48.00  | 152 x 152 x 1219 | 7.62    | 194    | 7.62    | 194    |
| F66W60SS       | 6.00 x 6.00 x 60.00  | 152 x 152 x 1524 | 7.62    | 194    | 7.62    | 194    |
| F66W120SS      | 6.00 x 6.00 x 120.00 | 152 x 152 x 3048 | 7.62    | 194    | 7.62    | 194    |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.

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Flange Detail



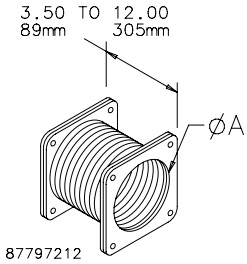
FLEXIBLE FITTING

Isolates a wireway run from shock and vibration. Compensates for misalignment. Used where an odd angle is required (but not to exceed 90 degrees). Permits movement of a machine or control station connected to a wireway run. Hypalon bellow with steel flanges.

BULLETIN: F22

| Catalog Number | AxB in./mm               |
|----------------|--------------------------|
| F44WFFSS       | 4.00 x 4.00<br>102 x 102 |
| F66WFFSS       | 6.00 x 6.00<br>152 x 152 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.



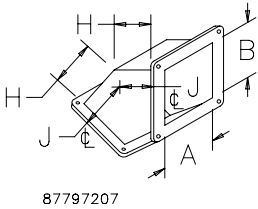
45-DEGREE ELBOW

BULLETIN: F22

| Catalog Number | AxB in./mm               | H in./mm    | J in./mm   |
|----------------|--------------------------|-------------|------------|
| F44WE45SS      | 4.00 x 4.00<br>102 x 102 | 3.25<br>83  | 2.44<br>62 |
| F66WE45SS      | 6.00 x 6.00<br>152 x 152 | 4.25<br>108 | 3.00<br>76 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints. Dimension J is from intersection of center lines.

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## GASKET AND SCREWS

Standard packages of wireway contain one gasket and one set of screws to join sections, except Tee Fittings which contain two of each and Telescope Fittings which contain none. Additional gasket and screw sets may be ordered by catalog number.

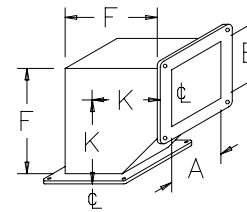
## 90-DEGREE ELBOW

BULLETIN: F22

| Catalog Number | AxB in./mm               | F in./mm    | K in./mm    |
|----------------|--------------------------|-------------|-------------|
| F44WE90SS      | 4.00 x 4.00<br>102 x 102 | 7.00<br>178 | 5.00<br>127 |
| F66WE90SS      | 6.00 x 6.00<br>152 x 152 | 9.00<br>229 | 6.00<br>152 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints. Dimension K is from intersection of center lines.

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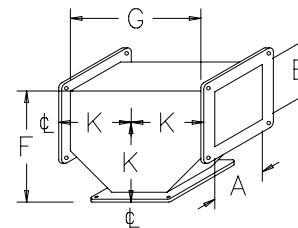
## TEE

BULLETIN: F22

| Catalog Number | AxB in./mm               | F in./mm    | G in./mm     | K in./mm    |
|----------------|--------------------------|-------------|--------------|-------------|
| F44WTSS        | 4.00 x 4.00<br>102 x 102 | 7.00<br>178 | 10.00<br>254 | 5.00<br>127 |
| F66WTSS        | 6.00 x 6.00<br>152 x 152 | 9.00<br>229 | 12.00<br>305 | 6.00<br>152 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints. Dimension K is from intersection of center lines.

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## CLOSURE PLATE

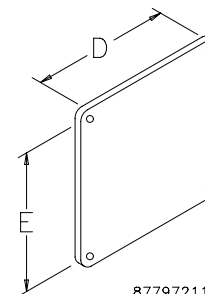
Used to seal the end of a wireway section or run.

BULLETIN: F22

| Catalog Number | D in./mm    | E in./mm    |
|----------------|-------------|-------------|
| F44WPSS        | 5.38<br>137 | 5.38<br>137 |
| F66WPSS        | 7.62<br>194 | 7.62<br>194 |

Note: All dimensions are to outside surfaces. Allow .12 in. (3mm) additional for gasket at joints.

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REDUCER BUSHINGS

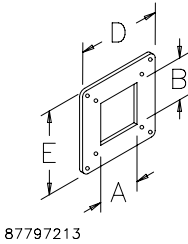
Used to reduce to a smaller wireway size. The center hole bushing centers the two wireway sizes relative to each other while the edge hole bushing keeps the top surfaces even.

BULLETIN: F22

Center Hole

| Catalog Number | AxB in./mm               | D in./mm    | E in./mm    |
|----------------|--------------------------|-------------|-------------|
| F66WR44SS      | 4.00 x 4.00<br>102 x 102 | 7.62<br>194 | 7.62<br>194 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.



NIPPLE

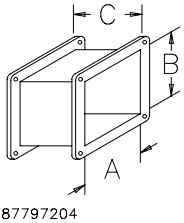
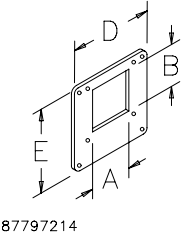
Available in 6.00-in. (152-mm) length.

BULLETIN: F22

| Catalog Number | AxBxC in./mm                          |
|----------------|---------------------------------------|
| F44WN6SS       | 4.00 x 4.00 x 6.00<br>102 x 102 x 152 |
| F66WN6SS       | 6.00 x 6.00 x 6.00<br>152 x 152 x 152 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.

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SWIVEL NIPPLE

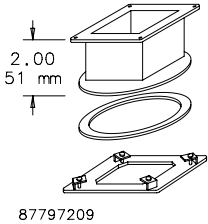
Allows wireway run to be adjusted to any angle. Regular type is used between adjacent wireway sections or fittings.

BULLETIN: F22

| Catalog Number | AxB in./mm               |
|----------------|--------------------------|
| F44WSCSS       | 4.00 x 4.00<br>102 x 102 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.

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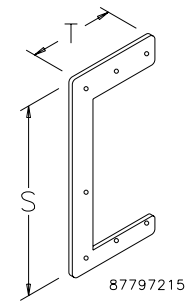


## DROP HANGER

BULLETIN: F22

| Catalog Number | S<br>in./mm  | T<br>in./mm |
|----------------|--------------|-------------|
| F44HDSS        | 11.75<br>298 | 6.00<br>152 |
| F66HDSS        | 15.25<br>387 | 8.12<br>206 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.

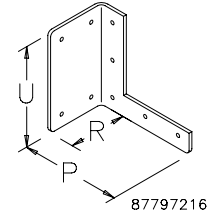


## BRACKET HANGER

BULLETIN: F22

| Catalog Number | P<br>in./mm | R<br>in./mm | U<br>in./mm |
|----------------|-------------|-------------|-------------|
| F44HBSS        | 6.12<br>155 | 3.62<br>92  | 5.88<br>149 |
| F66HBSS        | 8.25<br>210 | 3.62<br>92  | 7.88<br>200 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.



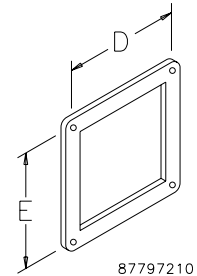
## BOX CONNECTOR

When wireway enters an enclosure, a box connector should be used on the inside of the enclosure to ensure a tight and stable seal.

BULLETIN: F22

| Catalog Number | D<br>in./mm | E<br>in./mm |
|----------------|-------------|-------------|
| F44WBSS        | 5.38<br>137 | 5.38<br>137 |
| F66WBSS        | 7.62<br>194 | 7.62<br>194 |

All dimensions are to outside surfaces. Allow .12 in. (3 mm) additional for gasket at joints.



**Notes**