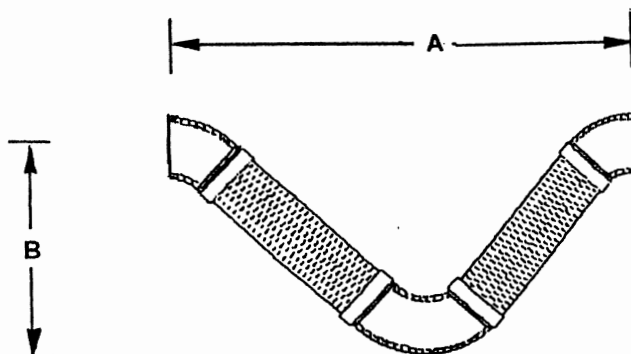


## Flex/Pand/Vee Expansion/Seismic Loop C/S Butt Weld Ends



**FPV02BW: 2" X-Y-Z Movement**

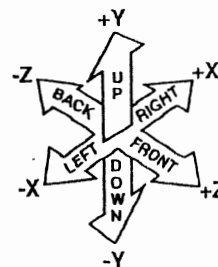
| Nominal Pipe Size Inches | "A" Length Face to Face Inches | "B" Height Center to End Inches | Hose & Braid Working Pressure PSIG |
|--------------------------|--------------------------------|---------------------------------|------------------------------------|
| 2                        | 32 3/4                         | 15                              | 410                                |
| 2 1/2                    | 38 1/2                         | 17 1/2                          | 380                                |
| 3                        | 41 1/2                         | 18 3/4                          | 310                                |
| 4                        | 48 1/4                         | 21 1/2                          | 230                                |
| 5                        | 54 3/4                         | 24 1/4                          | 190                                |
| 6                        | 61 1/2                         | 27                              | 190                                |
| 8                        | 72                             | 31                              | 180                                |
| 10                       | 85                             | 36 1/4                          | 180                                |
| 12                       | 97 1/2                         | 41 1/4                          | 160                                |



300 Series Stainless Steel Corrugated Hose & Braid  
Carbon Steel Schedule 40 Butt Weld End Fittings  
850°F Maximum Temperature / Working Pressure @70°F

Good piping practice recommends concentric pipe guides be installed on the pipeline at the unanchored side(s) of the Vee Expansion Loop, as with any expansion joint.

Vee Expansion Loops 2 1/2" and larger not installed hanging straight down must be supported at the 90° Ell with a pipe hanger that is free to move. Steam applications (except vertical pipelines) require installation in the horizontal configuration.



**FPV04BW: 4" X-Y-Z Movement**

| Nominal Pipe Size Inches | "A" Length Face to Face Inches | "B" Height Center to End Inches | Hose & Braid Working Pressure PSIG |
|--------------------------|--------------------------------|---------------------------------|------------------------------------|
| 2                        | 41 3/4                         | 19 1/2                          | 410                                |
| 2 1/2                    | 49                             | 22 3/4                          | 380                                |
| 3                        | 52                             | 24                              | 310                                |
| 4                        | 60 1/2                         | 27 3/4                          | 230                                |
| 5                        | 67 1/2                         | 30 1/2                          | 190                                |
| 6                        | 75 1/2                         | 34                              | 190                                |
| 8                        | 86 1/2                         | 38 1/4                          | 180                                |
| 10                       | 101                            | 44 1/4                          | 180                                |
| 12                       | 116 3/4                        | 49 3/4                          | 160                                |

|                              |
|------------------------------|
| Job _____                    |
| Contractor _____             |
| Engineer _____               |
| Representative _____         |
| Order No. _____ Date _____   |
| Submitted by _____           |
| Approved by _____ Date _____ |
| Tag _____                    |