

**Table 3 Type 5501R, 5502R & 5506R (3)**

**Design Pressure: Full Vacuum to 150 psig. Test Pressure: 225 psig. Design Temperature: 500°F**

| Nominal Size NPS | Part Number<br>5501R<br>5502R | Overall Length (1)<br>(inches) | Axial Spring Rate<br>(lb./in.) | Outside Diameter (2)<br>(inches) | Number of Rods | Weight (lbs.) |
|------------------|-------------------------------|--------------------------------|--------------------------------|----------------------------------|----------------|---------------|
| 1 1/2            | -127                          | 3.5                            | 360                            | 7.5                              | 3              | 13            |
| 2                | -131                          | 3.5                            | 435                            | 8.5                              | 3              | 16            |
| 2 1/2            | -135                          | 3.5                            | 643                            | 9.5                              | 3              | 22            |
| 3                | -140                          | 4.0                            | 860                            | 10.0                             | 3              | 24            |
| 4                | -148                          | 4.5                            | 968                            | 11.5                             | 3              | 26            |
| 5                | -155                          | 4.5                            | 1168                           | 12.5                             | 3              | 29            |
| 6                | -160                          | 5.0                            | 1274                           | 14.0                             | 3              | 40            |
| 8                | -167                          | 5.0                            | 1440                           | 17.0                             | 3              | 51            |
| 10               | -174                          | 6.0                            | 1619                           | 19.5                             | 3              | 65            |
| 12               | -180                          | 6.0                            | 1725                           | 23.0                             | 3              | 91            |
| 14               | -181                          | 8.0                            | 2004                           | 25.5                             | 3              | 163           |
| 16               | -182                          | 8.0                            | 2220                           | 28.0                             | 3              | 204           |
| 18               | -183                          | 9.0                            | 2397                           | 30.0                             | 3              | 245           |
| 20               | -184                          | 9.0                            | 2492                           | 33.0                             | 3              | 260           |
| 24               | -186                          | 9.0                            | 2819                           | 37.5                             | 4              | 290           |
| 1                | 2                             | 3                              | 4                              | 5                                | 6              | 7             |

**Table 4 Type 5501R & 5502R**

**Design Pressure: Full Vacuum to 300 psig. Test Pressure: 450 psig. Design Temperature: 500°F**

| Nominal Size NPS | Part Number<br>5501R<br>5502R | Overall Length(1)<br>(inches) | Axial Spring Rate<br>(lb./in.) | Outside Diameter(2)<br>(inches) | Number of Rods | Weight (lbs.) |
|------------------|-------------------------------|-------------------------------|--------------------------------|---------------------------------|----------------|---------------|
| 1 1/2            | -327                          | 3.5                           | 360                            | 8.63                            | 3              | 16            |
| 2                | -331                          | 3.5                           | 433                            | 9.00                            | 3              | 16            |
| 2 1/2            | -335                          | 3.5                           | 1268                           | 10.00                           | 3              | 25            |
| 3                | -340                          | 4.0                           | 1491                           | 10.75                           | 3              | 28            |
| 4                | -348                          | 4.5                           | 1544                           | 13.00                           | 3              | 35            |
| 5                | -355                          | 4.5                           | 1871                           | 14.00                           | 3              | 42            |
| 6                | -360                          | 5.0                           | 2927                           | 16.00                           | 3              | 57            |
| 8                | -367                          | 5.0                           | 3687                           | 19.00                           | 3              | 79            |
| 10               | -374                          | 6.0                           | 3922                           | 21.75                           | 3              | 113           |
| 12               | -380                          | 6.0                           | 5520                           | 25.50                           | 3              | 179           |
| 14               | -381                          | 8.0                           | 6311                           | 28.50                           | 3              | 212           |
| 16               | -382                          | 8.0                           | 7831                           | 31.00                           | 4              | 293           |
| 18               | -383                          | 9.0                           | 8613                           | 33.75                           | 4              | 363           |
| 20               | -384                          | 9.0                           | 10,126                         | 36.50                           | 4              | 433           |
| 24               | -386                          | 9.0                           | 11,005                         | 43.50                           | 4              | 490           |
| 1                | 2                             | 3                             | 4                              | 5                               | 6              | 7             |

**Note:**

- (1) Overall length is measured from flange face to flange to flange face including the van stone for Type 5502R.
- (2) Maximum outside diameter – includes limit rod lug attachments.
- (3) Type 5506R is available rated for full vacuum to 150 psig at 500°F as a replacement for rubber expansion joints, nominal sizes 2” through 14”. Sizes 2” through 8” are 6” overall length and sizes 10” through 14” are 8” overall length. All other dimensions and performance data are the same as Type 5502R.