## QUADRUPLE VARIABLE SPRINGS

**TYPE D**

<table>
<thead>
<tr>
<th>Casings Length</th>
<th>Rod Length</th>
<th>Nut Allow.</th>
<th>Spacer Height</th>
<th>Approx. Weight of Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Y K X M</td>
<td>B THK. X SQ.</td>
<td>MIN.</td>
<td>MAX.</td>
<td></td>
</tr>
<tr>
<td><strong>00</strong></td>
<td>25/4</td>
<td>37/8</td>
<td>1</td>
<td>1/4</td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>28/3</td>
<td>40/7</td>
<td>1</td>
<td>1/4</td>
</tr>
<tr>
<td><strong>30</strong></td>
<td>31/4</td>
<td>43/7</td>
<td>1</td>
<td>1/4</td>
</tr>
<tr>
<td><strong>50</strong></td>
<td>33/4</td>
<td>45/8</td>
<td>1</td>
<td>1/4</td>
</tr>
<tr>
<td><strong>70</strong></td>
<td>36/3</td>
<td>49/7</td>
<td>1</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>90</strong></td>
<td>38/3</td>
<td>51/6</td>
<td>1</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>110</strong></td>
<td>39/3</td>
<td>53/7</td>
<td>1</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>130</strong></td>
<td>42/3</td>
<td>56/8</td>
<td>2</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>150</strong></td>
<td>46/3</td>
<td>58/9</td>
<td>2</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>170</strong></td>
<td>47/3</td>
<td>61/10</td>
<td>2</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>190</strong></td>
<td>47/3</td>
<td>62/10</td>
<td>3</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>210</strong></td>
<td>55/7</td>
<td>72/12</td>
<td>3</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>230</strong></td>
<td>65/1/4</td>
<td>81/4</td>
<td>4</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>240</strong></td>
<td>65/1/4</td>
<td>81/4</td>
<td>4</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>260</strong></td>
<td>64/3</td>
<td>79/3</td>
<td>4</td>
<td>9/16</td>
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<tr>
<td><strong>280</strong></td>
<td>73/3</td>
<td>88/8</td>
<td>5</td>
<td>1/2</td>
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<tr>
<td><strong>300</strong></td>
<td>86/3</td>
<td>102/7</td>
<td>6</td>
<td>9/16</td>
</tr>
<tr>
<td><strong>320</strong></td>
<td>96/1</td>
<td>113/3</td>
<td>6</td>
<td>1/2</td>
</tr>
<tr>
<td><strong>340</strong></td>
<td>120/3</td>
<td>136/3</td>
<td>8</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**TYPE E**

<table>
<thead>
<tr>
<th>Load Flange Bolt Circle</th>
<th>Load Flange Bolts</th>
<th>Load Flange</th>
<th>Load Column DIA.</th>
<th>THK. X SQ.</th>
<th>MIN.</th>
<th>MAX.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>00</strong></td>
<td>1/4 x 7 1/2</td>
<td>7</td>
<td>8</td>
<td>3/4</td>
<td>5/8</td>
<td>1.900</td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>1/4 x 11/4</td>
<td>7</td>
<td>8</td>
<td>3/4</td>
<td>5/8</td>
<td>1.900</td>
</tr>
<tr>
<td><strong>30</strong></td>
<td>1/4 x 7 1/2</td>
<td>27</td>
<td>7/8</td>
<td>3/8</td>
<td>3/4</td>
<td>2.875</td>
</tr>
<tr>
<td><strong>50</strong></td>
<td>1/4 x 7 1/2</td>
<td>30</td>
<td>7/8</td>
<td>3/8</td>
<td>3/4</td>
<td>2.875</td>
</tr>
<tr>
<td><strong>70</strong></td>
<td>1/4 x 7 1/2</td>
<td>33</td>
<td>7/8</td>
<td>3/8</td>
<td>3/4</td>
<td>2.875</td>
</tr>
<tr>
<td><strong>90</strong></td>
<td>1/4 x 7 1/2</td>
<td>36</td>
<td>7/8</td>
<td>3/8</td>
<td>3/4</td>
<td>2.875</td>
</tr>
<tr>
<td><strong>110</strong></td>
<td>1/4 x 7 1/2</td>
<td>38</td>
<td>7/8</td>
<td>3/8</td>
<td>3/4</td>
<td>2.875</td>
</tr>
</tbody>
</table>

**ORDERING:** Specify figure number, size, type, description, type, operating load and calculated amount and direction of pipe movement from installed to operating position. Please specify any non-standard requirements, i.e. internally guided load column, jacking bolt, lifting lugs, etc.