



### Product Description

Ideal Products' flat expansion springs, come in 4" and 2" lengths. They are made from 300 series stainless steel, therefore able to withstand a variety of weather, environmental and job site conditions. Expansion Springs can be used with a variety of widths of strapping to a maximum width of  $\frac{3}{4}$ ". Expansion springs are used to secure insulation on equipment, vessels and tanks that may expand and contract.



### Product Application

Expansion springs are used to protect strapping (during the expansion and contraction of material) from stretching or breaking. Strapping is secured to the spring by putting the strapping through the open loop on the side of the spring and then securing it with a wing or closed seal. The strapping should then be wrapped around the tank or vessel and secured to the other side of the spring. If needed or desired, multiple springs can be used to go around the tank or vessel.

#### **4" Spring**

- stretch  $\frac{1}{2}$ " when stalling
- maximum expansion -  $2 \frac{1}{2}$  times its length

#### **2" Spring**

- stretch  $\frac{1}{4}$ " when installing
- maximum expansion –  $1 \frac{1}{4}$  times its length

Ideal Products recommends that you allow for double the expected expansion of the tank or vessel. Using this method of calculation will determine the number and size of springs to use.