

Technical Data

Product Description

VMS flat expansion springs are produced from 300 series stainless steel and are available in both 2" & 4" lengths. They are designed to be used in conjunction with stainless steel strapping to provide expansion capabilities in the securing of insulation on tanks, equipment, and other large vessels subject to significant expansion and contraction. Springs can be used with strapping up to $\frac{3}{4}$ " wide.

Product Applications

Expansion springs are used to establish stretch and recovery capabilities in strapping applications subject to high degrees of expansion and contraction. Strapping is passed through the open loop on one side of the spring and secured in place with a stainless steel seal.

The strapping is then passed around the tank or vessel and secured to the opposing loop of the spring, creating a type of "shock absorber" for the installed strapping. Multiple springs may be combined in one run of strapping to accommodate large spans or exceedingly high degrees of anticipated expansion and contraction.

Standard Sizes

2" Springs are capable of expanding as much as $1\frac{1}{4}$ times their length, with $\frac{1}{4}$ " stretching of spring at time of installation.

4" Springs are capable of expanding as much as $2\frac{1}{2}$ times their length, with $\frac{1}{2}$ " stretching of spring at time of installation.

Sizes and numbers of springs should be determined in accordance with specific job requirements.



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